

1887

# City of Bangor Mayor's Inaugural Address, March 18, 1861; Also, The Annual Reports of the Several Departments, and the Receipts and Expenditures, for the Municipal Year, 1886-87

Bangor (Me.)

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CITY OF BANGOR.

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MAYOR'S ADDRESS;

ALSO THE

ANNUAL REPORTS

OF THE SEVERAL DEPARTMENTS,

AND THE

RECEIPTS AND EXPENDITURES,

For the Municipal Year 1886-87.



BANGOR :  
BENJAMIN A. BURR, PRINTER.  
1887.





# MAYOR'S ADDRESS.

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## GENTLEMEN OF THE CITY COUNCIL :

It has frequently been suggested by my predecessors, that it should more properly be the duty of the outgoing Mayor to review the work of the various departments, and make the recommendations as to the future, at the inauguration of each City Government ; but as each one has seemed to think of this duty as bearing more heavily upon his own immediate predecessor than upon himself, we are still left, while endorsing their sentiments, to follow the ancient custom.

We will first consider the financial statement, in the preparation of which, I am under obligation to our efficient and courteous City Treasurer :

### **Abstract of City Treasurer's Account rendered March 16, 1887.**

1886.	DEBITS.	
March 10, Balance of cash on hand.....		\$7,022 27
1887.		
March 16. Treasurer's notes discounted.....		98,000 00
Municipal four per ct. refunding bonds due Nov. 14,		
1891. sold.....		10,000 00
Collection of taxes for years 1875-1886 inclusive,		
embracing abatements and discounts.....		259,469 49
Credits to various funds, exclusive of appropriations,		67,921 84
Trust fund received from three fire companies.....		239 00
Payment by Bangor and Piscataquis Railroad Co.		
on account of coupons on city bonds.....		54,000 00
State of Maine for pensions advanced.....		696 00
Receipts for redemption of estates sold for taxes...		1,915 84
		<hr/>
		\$499,264 44

1887.

## CREDITS.

March 16, Amount of Mayor's Orders, 1886-7.....	\$389,642 13
Paid State tax, 1886.....	32,807 65
County tax, 1886.....	13,084 10
Coupons on loans to Bangor and Piscataquis R. R. Co.....	58,645 00
Returned trust fund accepted from three fire com- panies.....	239 00
Paid State pensions to citizens of Bangor.....	696 00
Refunded to purchasers at tax sales amount received for redemption of estates sold.....	1,915 84
	<hr/>
	\$497,029 72
Balance of cash on hand.....	2,234 72
	<hr/>
	\$499,264 44

**Abstract of Collector's Account for Year ending March 16,  
1887.**

1886.

## DEBITS.

March 10, Balance of uncollected taxes for years 1874-1885, inclusive.....	\$46,700 90
Oct. 3, Commitment of tax for 1886.....	261,181 79
1887.	
March 16, Supplementary commitment for 1886.....	54 10
	<hr/>
	\$307,936 79

1887.

## CREDITS.

March 16, Amount collected and paid into the Treasury, in- cluding discounts and abatements.....	\$259,469 49
Balance of taxes uncollected at this date, for years 1874-1886, inclusive.....	48,467 30
	<hr/>
	\$307,936 79

**Statement of Standing of Funds, 1886-7.**

<b>Funds</b>	<b>Amount expended.</b>	<b>Appropriations and Credits.</b>	<b>Unexpended Balances.</b>	<b>Overdrawn Balances.</b>
Highway.. .. .	\$23,243 66	\$21,115 43		\$2,128 23
Bridges.....	1,115 13	1,001 00		114 13
Schools.....	39,285 64	39,373 42	87 78	
Pauper....	15,540 26	17,614 60	2,074 34	
Incidental .....	12,200 50	11,460 06		740 44
Salary.....	8,558 88	8,550 00		8 88
Fire.....	17,442 09	16,736 00		706 09
Police.....	10,346 95	11,159 21	812 26	
Sewers.....	25,735 88	21,500 59		4,235 29
Water.....	51,329 92	52,199 12	869 20	
City Agency....	5,578 72	5,815 99	237 27	
Gas.....	8,904 39	8,707 36		197 03
Interest....	19,327 91	19,439 06	111 15	
Overlayings....	4,244 54	5,040 04	795 50	
Dis. on tax.....	22,787 66	22,500 00		287 66
	<u>\$265,642 13</u>	<u>\$262,211 88</u>	<u>\$4,987 50</u>	<u>\$8,417 75</u>

**RECAPITULATION.**

Total balances overdrawn .....	\$8,417 75
“ unexpended.....	4,987 50
Net balance overdrawn.....	<u>\$3,430 25</u>

**Statement of dues to the City of Bangor, March 16, 1887.**

Balance of cash in the treasury.....	\$2,234 72
Uncollected taxes, 1874-1886.....	48,467 30
Uncollected sewer assessments.....	2,483 51
Balance due from the Bangor and Piscataquis R. R. Co. for coupons paid on city loans to said company.....	281,275 95
4,000 shares (being a majority) of the capital stock of the Bangor and Piscataquis R. R. Co. of a par value of.....	200,000 00
The Assessors' valuation of property taxed in 1886, is as follows:	
Real Estate.....	\$6,693,650 00
Personal Estate.....	2,831,765 00
Total.....	<u>\$9,525,415 00</u>
Municipal real estate, including Water Works.....	810,000 00
Total.....	<u>\$10,335,415 00</u>

**Liabilities of the City of Bangor, March 16, 1887.**

Municipal Bonds, as follows :

Four per cent., due in sums of \$10,000.00 annually, November

1887, '88, '89, '90 and '91 .....	\$50,000 00
Seven per cent., due September, 1892.....	50,000 00
Six per cent., due January, 1894 .....	100,000 00
Water Bonds, 6 per cent. due July, 1905.....	500,000 00

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Total direct bonded liability..... \$700,000 00

The city also owes a note for \$12,000.00, due in November, 1887, issued to cover the following sums :

Deficit for 1886-7 on Bangor & Piscataquis city loan coupons	\$4,645 00
Overdrawn balances on department for 1886-7.....	3,430 00
Excess of unpaid balance of taxes uncollected over March 10, 1886.....	1,765 00

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\$9,840 00

Which with the cash on hand March 16, 1887, say..... 2,234 00

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Account for the note referred to. \$12,074 00

The city holds Trust funds as follows :

For the Bangor Fuel Society.....	\$1,000 00
Home for Aged Women....	25,000 00
Bangor Children's Home.....	40,000 00
Bangor Mechanic Association.....	12,000 00
Wakefield Fund for Indigent Women.....	10,000 00
Bangor Firemen's Relief Fund.....	1,000 00

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In all..... \$89,000 00

These Trust funds constitute a portion of the city debt, and the interest is payable to the beneficiaries, as provided in the several deeds of trust under which they are held. The present direct liability of the city is thus shown to be in the aggregate \$801,000.00, or \$16,000.00 less than in March, 1886.

The Hersey Fund, of \$100,000.00, forms no part of the city debt, being held and managed by the Board of Trustees, who apply its net income for the benefit of the Bangor Pub-

lic Library, and whose annual report was made to the City Council in February last.

This report shows the amount on hand to be \$105,021.19, and I would refer you to it for the details in regard to the investment of the fund and management of the Public Library. Composed as this Board is, of some of our most honorable and public spirited citizens, we may feel sure that the provisions of this noble charity will be most faithfully and judiciously carried out, contributing to that result most to be desired—the education of the people.

#### RAILROAD LOANS.

To the European and North American Railway Company, due January 1, 1894, \$1,000,000.00. The interest on this loan is paid regularly by the Maine Central Railroad Company who guarantee the principal and interest of the bonds.

To the Bangor and Piscataquis Railroad Company, due April

1, 1899, at 6 per cent.....	\$600,000 00
At 7 per cent.....	325,000 00
	<hr/>
	\$925,000 00

The coupons for interest on these bonds are paid directly from the city treasury. The excess paid by the city, as before stated, above the amount furnished by the Railroad Company, from the earnings of the road, during the year just closed, is \$4,645.00, or \$23,260.00 less than the deficit of the previous year.

It is confidently believed by the managers, that the road will be able to pay its full interest this year.

This is a most gratifying showing to those citizens who have believed it to be good policy not to sell the road at any price which has as yet been offered for it.

During the past winter our people have been very much exercised over the proposed amendment to the “Megantic”

charter, but as you are all familiar with the subject, it is needless to dwell upon it at this time.

By the terms of the amendments which have been secured through the exertions of our citizens, I believe the rights of the road are well protected, and that its prospects are brighter to-day than ever before in its history.

We are nearing the accomplishment of the purpose for which the road was projected, and has been carried through to completion—a direct connection with a great through line, to the West—and it is surely for the business interests of our city that it should be operated in connection with that line, to make a competing outlet to and from the West, and place us in a position to compete successfully with other centres in the distribution of merchandise throughout the greater part of our State.

Properly managed, under a liberal policy, and with every reasonable effort put forth to work in harmony with the Megantic or Canadian Pacific—and we surely expect this of the very able Board of Directors which has been chosen to manage it—I can see no reason to fear that the road will ever again be a burden upon our tax payers.

During the late session of the Legislature an extension of charter was sought for the Penobscot Central Railroad with the privilege of making the northern terminus at Milo Junction. The extension was granted, but a proviso was secured by the city government, making the charter void if the Bangor & Piscataquis Railroad Company should build a road from Milo Junction, by way of Corinth, to Bangor, locating the road before June 1st next, and building ten miles within one year, and the whole within two years from the passage of the Act.

It would seem important to the B. & P. R. R. that this branch should be built, but however ready our citizens may

be to assist in the enterprise, it would seem impossible to take any action until the towns along the line, which would be largely benefitted by its completion, shall have first taken measures to lend their aid to the full extent of their ability.

#### SCHOOLS.

As our future in every way so largely depends upon the education given the children of to-day, everything relating to this department should receive your most careful attention. The Superintending School Committee report a continued advancement in the prosperity of our schools and a large increase in the number of scholars. They refer to this increase "as a gratifying indication that the privileges of an excellent education are being more fully appreciated by parents and pupil."

They also report that "the law respecting instruction concerning the effects of stimulants and narcotics on the physical system is faithfully carried out."

This is striking at the foundation of things and is surely a move in the right direction, education being the foundation of all true reform. Let us hope that the result may be, that what for us is a most difficult problem, may be easily solved by the coming generation, through the universal desire of the people.

The Committee recommend, that the terms of the Suburban schools be made of the same length as those in the city; that vocal music be taught in the Primary, Intermediate and Grammar schools, and that the city furnish Text Books to the scholars free.

I heartily concur in the first two recommendations, and would suggest that an investigation be made as to the desirability and expense of adopting the last.

The School Agent calls attention to the crowded condition



of some of the schools, and the necessity of providing more room for some of the classes.

#### CITY SOLICITOR.

This officer gives a report of the legal proceedings in which the city has been interested since March, 1886, showing that all cases that have been adjusted have been settled in favor of the city. It is expected that the most of those now pending will be settled before the April Term of Court.

In addition to his regular duties, he has during the winter, spent the greater part of five weeks at Augusta, working for the interest of the city, in endeavoring to obtain our proportion of the tax levied by the State upon railroad corporations, which has been withheld, owing to a decision of the Governor's Council, which prevented its payment. Through the exertions of himself, the Mayor, City Treasurer, and some citizens who have taken an interest in the matter, a law has been passed by the Legislature which insures us this tax for the future, amounting probably to five or six thousand dollars per year. While this service cannot be classed among his duties, he makes no charge for extra services, as has sometimes been done.

#### FIRE DEPARTMENT.

The Chief Engineer adheres to his recommendations of last year and further recommends that a new boiler be obtained for one of the steamers, and that a protective or salvage corps be organized, to attend all fires, to protect property from water. He reports 28 alarms during the year and 8 fires, with estimated loss \$5,290, with one loss unadjusted. Ten new alarm boxes and 1 striker have been added during the year, making 28 boxes and 4 strikers now in use, which in his judgment meet the demand at present.

## HEALTH OFFICER.

This officer congratulates the citizens upon their general good health and gives an account of what has been done during the year to contribute to that result. This office is an important one, requiring good judgment, tact, and firmness, in administering its duties. The present incumbent has all of these qualities, and I believe has performed his duties to the general satisfaction of the people.

## HARBOR MASTER.

The Harbor Master's report shows the number of vessels arriving here during the time the river was open—from April 16 to December 5—to be 1,580; total tonnage 416,298. It also shows the amount of imports by water during this time.

## CITY PHYSICIAN.

The City Physician makes a complete report of the duties performed during the year, and makes some suggestions in regard to preventing the spread of contagious diseases, to which I would call your attention.

## PAUPER DEPARTMENT.

This department is a model of good management and faithful service.

All demands of the poor have been met considerably and promptly; all necessary repairs made on buildings; the farm improved, and a net unexpended balance of \$2,074.34 shown.

As contrasted with a net aggregate overdrawn in all of the departments of \$3,430.25, this showing is deserving of special commendation.

## WATER.

The Water Board report an increase in the water rates from takers added during the year of \$18,000, and all rates promptly paid.

To provide for future needs and guard against accidents, they have contracted for a new set of machinery to be delivered this year.

A new main of 12 inch pipe to run from Harlow street through Abbott Square, across Kenduskeag stream, under its bed, and to connect with the Hammond street main at Court street, has also been ordered and partly laid. This will be completed as soon as the condition of the water in the stream will permit. It may also be found desirable to replace the 16 inch main from the Water Works to Pearl street with a 20 inch main.

When these improvements shall all have been made, it is believed that the Water Works will be equal to any demand that is likely to be made upon them, and the city will be fairly well protected from accidents in all directions.

#### SEWERS.

The reports give a full account of the large amount of work done in this department.

Both the Sewer Board and Superintendent of Sewers again call our attention to the danger and annoyance of longer allowing our sewerage to empty into Kenduskeag stream, and recommend that a commencement be made upon the Exchange street sewer at an early day.

As this sewer seems to be a necessity, and as it must necessarily take some years to complete it, if we carry along the other needed work in this department, as we should, I think a commencement should be made as soon as possible.

The Superintendent reports that the Meadow Brook sewer has been built about as far as can economically be done until the Exchange street sewer is completed.

The Sanford street sewer should be completed this year.

The Sewer Board reports a list of other sewers already petitioned for and needed.

#### CITY ENGINEER.

The report of this officer gives a complete account of all plans and surveys made during the year, and the expenditure made upon bridges.

He calls attention to the bad condition of the easterly abutment of the easterly span of Kenduskeag Bridge, which is gradually settling, and which has moved out at the top one and three-fourths inches since last spring and four inches since first examined. He recommends that it be properly examined and rebuilt before it topples over into the stream, and while it can be done with the greatest economy and the least inconvenience to the public. He also recommends that the system of laying a small section of paving in our streets each year, be continued. He gives his reasons for this recommendation at some length, and I would refer you to his report for a full statement of them.

#### STREETS.

The Street Commissioner reports the usual amount of general repairs during the year, and an unusual amount of work done the past winter, made necessary by the frequent and heavy snow storms with which we have been visited. Howard street has been extended to Mt. Hope Avenue, and a new road built through Mt. Hope to the Veazie line, under orders from the County Commissioners. He renews his recommendations of last year, that as soon as practicable the city should acquire a gravel bed, either by lease or purchase, in order to lessen the large annual expense for gravel.

#### POLICE.

The record of this department as shown by the report of

the City Marshal, compares favorably with similar records in other cities.

Although we can not be blind to the necessity for reform in some directions, I think we may claim that our community as a whole, is as law abiding, and holds to a standard of morals as high as any in the land.

#### CONCLUSION.

In addition to the regular appropriations, which in most of the departments need not be larger than last year, we shall be called upon to provide for the payment during the year of the Treasurer's note, covering the B. & P. deficiency and overdrawings in the departments, \$12,000 ; bonds due in November, 1887, \$10,000 ; amount due this year on contract with the Holly Manufacturing Company on account of machinery for the Water Works, \$5,083.33 ; and possible contingencies which have been previously mentioned. This may make it difficult for us this year to meet the views of many of our citizens who feel, that at the earliest possible opportunity, a reduction should be made in the rate of taxation. While not expecting us to neglect the necessary work in the various departments, they do expect, and have a right to demand, that every appropriation should be made with care, and with a due regard to the needs of the public, and that every expenditure should be rigidly scrutinized, so that if possible to make even a slight reduction in our taxes, it may be done. In this connection allow me to urge upon you the necessity of great care in selecting the subordinate officers, for upon their success largely depends our own. Pledges are so easily made and broken, it will be better that we make none, excepting to promise to give the people faithful service, and strive for a record which shall receive their approval.

Guided by a sincere desire to do our whole duty, let us all become familiar with the duties of our respective positions, that, working together for a common purpose, we may contribute our share to the material and moral prosperity of the people, who have so honored us by entrusting the affairs of our good old city to our keeping.

C. F. BRAGG.



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# TREASURER'S REPORT.

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# TREASURER'S REPORT

Dr.                      JOHN L. CROSBY, Treasurer.

1886.		
March 10.	For balance of Cash on hand, as per account rendered this date.....	\$7,022 27
1887.		
March 16.	Receipts for municipal year 1886-7 as follows:	
From Treasurer's notes discounted.....		98,000 00
Sale of municipal bonds, loan V, dated Nov. 14, 1886, due Nov. 14, 1891, at four per cent, issued to refund same amount maturing Nov. 14, 1886.....		● 10,000 00
John L. Crosby, Collector of taxes, includ- ing abatements and discounts, as per his account rendered this date.		
1875.....		\$18 00
1876.....		21 00
1877.....		27 75
1878.....		17 37
1879.....		58 87
1880.....		150 99
1881.....		289 29
1882.....		429 74
1883.....		695 27
1884.....		2,098 65
1885.....		14,101 71
1886.....		231,560 85
		<hr/> \$259,469 49
From following departments and funds, credits exclusive of appropriations,		
Highway.....		\$1,115 43
Bridges.....		1 00
Schools.....		9,373 42
Pauper.....		5,614 60
Incidental.....		2,460 06
Fire.....		236 00
Police.....		3,159 21
Sewers.....		5,500 59
Water.....		34,199 12
City Agency.....		5,815 99
Gas.....		7 36
Interest.....		439 06
		<hr/> \$67,921 84
Fund received from Champion, Eureka and Holly Hose Companies.....		239 00
From Bangor and Piscataquis Railroad Co., on account of advance for coupons on city loans to said Company.....		54,000 00
State of Maine, repayment of advances to State pensioners.....		696 00
Amounts received for redemption of Real Estate sold for unpaid taxes.....		1,915 84
		<hr/> \$499,264 44
To the City Council.		
Respectfully submitted,		
Bangor, March 16, 1887.	JOHN L. CROSBY, City Treasurer.	

1887.]

## CITY OF BANGOR.

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## In account with the CITY OF BANGOR

CR.

1887.

March 16. By amount disbursed in various departments and funds for the Municipal year 1886-7, per Mayor's orders, as follows:

Highway.....	\$23,243 66	
Bridges.....	1,115 13	
Schools.....	39,285 64	
Pauper.....	15,540 26	
Incidental.....	12,200 50	
Salary.....	8,558 88	
Fire.....	17,442 09	
Police.....	10,346 95	
Sewers.....	25,735 88	
Water.....	51,329 92	
City Agency.....	5,578 72	
Gas.....	8,904 39	
Interest.....	19,327 91	
Treasurer's notes.....	114,000 00	
Permanent Debt.....	10,000 00	
Overlayings for Abatements.....	4,244 54	
Discount on Tax of 1886.....	22,787 66	
		<hr/>
Paid State of Maine, tax of 1886.....		\$389,642 13
County of Penobscot, tax of 1886.....		32,807 65
Coupons on City loans to Bangor and Piscataquis Railroad.....		13,084 10
State pensions to citizens of Bangor.....		58,645 00
Refunded to purchasers at tax sales, amounts received for redemption of Estates sold....		696 00
Refunded amount deposited in trust by Champion, Eureka and Holly Hose Companies....		1,915 84
		<hr/>
		239 00
		<hr/>
		\$497,029 72
Amount deposited at Second National Bank, Bangor.....	400 00	
Amount deposited at Merchants' National Bank, Boston.....	1,218 44	
Cash on hand.....	616 28	
		<hr/>
		\$2,234 72
		<hr/>
		\$499,264 44

Having examined the foregoing account of the City Treasurer for the Municipal year 1886-7, I certify that the same is fully vouched and correctly stated.

W. P. HUBBARD, Auditor.

Bangor, March 16, 1887.

# COLLECTOR'S REPORT.

DR.                      JOHN L. CROSBY, Collector.

1886.

March 10.

For uncollected balances of taxes as per account rendered this date :

For 1874.....	\$78 36	
1875.....	146 58	
1876.....	113 35	
1877.....	212 90	
1878.....	244 39	
1879.....	389 02	
1880.....	1,020 35	
1881.....	1,819 83	
1882.....	2,481 24	
1883.....	3,420 72	
1884.....	6,267 62	
1885.....	30,506 54	
		\$46,700 90

Oct. 3. For Commitment of tax for 1886, viz :

Highway.....	\$20,000 00	
Bridges.....	1,000 00	
Schools.....	30,000 00	
Pauper.....	12,000 00	
Incidental.....	9,000 00	
Fire.....	16,500 00	
Salary.....	8,550 00	
Police.....	8,000 00	
Sewer.....	16,000 00	
Interest.....	19,000 00	
Water.....	18,000 00	
Gas.....	8,700 00	
Discount on tax of 1886.....	22,500 00	
Loans.....	21,000 00	
State tax for 1886.....	32,807 65	
County tax for 1886.....	13,084 10	
Overlayings.....	5,040 04	
		\$261,181 79

1887.

March 16. Supplementary tax list for 1886....

54 10

\$307,936 79

1887.]

## CITY OF BANGOR.

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## In account with the CITY OF BANGOR.

CR.

1887.  
March 16.

By amount paid City Treasurer from March  
10, 1886, to this date, viz:

On account of taxes for 1875.....	\$3 00
1876.....	6 00
1877.....	9 00
1878.....	9 00
1879.....	31 50
1880.....	80 35
1881.....	102 19
1882.....	163 90
1883.....	286 11
1884.....	1,092 31
1885.....	23,418 83
1886.....	207,316 40

Total Cash Collection.....	\$232,518 59
Discount on tax of 1886, for prompt payment, per order of City Council.....	22,787 66
Abatements allowed by Assessors on taxes of 1875-1886 inclusive.....	4 244 54
Less amount repaid to tax payers.....	81 30
	<hr/> \$4,163 24

Balance of taxes uncollected at this date:

1874.....	\$78 36
1875.....	128 58
1876.....	92 35
1877.....	185 15
1878.....	227 02
1879.....	330 15
1880.....	869 36
1881.....	1,530 54
1882.....	2,051 50
1883.....	2,725 45
1884.....	4,168 97
1885.....	6,404 83
1886.....	29,675 04
	<hr/> \$48,467 30
	<hr/> \$307,936 79

To the City Council,

Respectfully submitted,

JOHN L. CROSBY, Collector.

Bangor, March 16, 1887.

**Statement of Standing of Funds, 1886-7.**

Funds	Amount expended.	Appropriations and Credits.	Unexpended Balances.	Overdrawn Balances.
Highway.....	\$23,243 66	\$21,115 43		<b>\$2,128 23</b>
Bridge.....	1,115 13	1,001 00		114 13
School.....	39,285 64	39,373 42	87 78	
Pauper.....	15,540 26	17,614 60	2,074 34	
Incidental.....	12,200 50	11,460 06		740 44
Salary .....	8,558 88	8,550 00		8 88
Fire.....	17,442 09	16,736 00		706 09
Police.....	10,346 95	11,159 21	812 26	
Sewers.....	25,735 88	21,500 59		4,235 29
Water.....	51,329 92	52,199 12	869 20	
City Agency.....	5,578 72	5,815 99	237 27	
Gas.....	8,904 39	8,707 36		197 03
Interest.....	19,327 91	19,439 06	111 15	
Overlayings .....	4,244 54	5,040 04	795 50	
Discount on tax..	22,787 66	22,500 00		287 66
.....	<hr/>	<hr/>	<hr/>	<hr/>
	\$265,642 13	\$262,211 88	\$4,987 50	\$8,417 75

**Recapitulation.**

Total Balances overdrawn.....	\$8,417 75
“ “ unexpended.....	4,987 50
Net “ overdrawn.....	<hr/> \$3,430 25

**Assessed Valuation of the City of Bangor, 1886.**

Real estate of Residents.....	\$6,102 220	
Non-Residents.....	591 430	
	<hr/>	\$6,693 650
Personal estate of Residents.....	2,735 300	
Non-Residents.....	96 465	
	<hr/>	\$2,831 765
		<hr/>
Municipal estate, including Water Works		\$9,575 415
		810 000
		<hr/>
Number of polls assessed in 1886, 4,507.		\$10,335 415

**Statement of Dues to the City of Bangor, March 16, 1887.**

Cash on hand including Bank deposits		\$2,234 72
Uncollected taxes for 1874-1886, inclusive.....		48,467 30
Unpaid assessments for Sewerage, viz :		
On sewers constructed in 1886.....	\$1,193 85	
On sewers constructed in 1885.....	159 59	
On sewers constructed in 1884.....	190 93	
On sewers constructed prior to 1884..	939 14	
	<hr/>	\$2,483 51

N. B. There are many other claims for sewerage of various age and value which cannot be definitely stated; but from which, as opportunities favor, some receipts may be realized.

Amount due from Bangor and Piscataquis Railroad Co., for advances made for interest on City loan to said Co., viz:

Note of consolidated European and North American Railway Co., dated April 1, 1873, for B. & P. city loan coupons, paid by city prior to that date.....

\$65,218 10

Coupons paid by city as follows:

In 1876-7.....	\$25,315 00	
1877-8.....	58,005 00	
1878-9.....	59,070 00	
1879-80.....	58,065 00	
1880-81.....	58,595 00	
1881-82.....	58,290 00	
1882-83.....	57,815 00	
1883-84.....	61,250 00	
1884-85.....	58,660 00	
1885-86.....	58,905 00	
1886-87.....	58,645 00	
	<hr/>	\$612,615 00

Less received of B. & P. R. R. Co.:

In 1876-7.....	2,500 00	
1877-8.....	10,500 00	
1878-9.....	34,057 15	
1879-80.....	26,000 00	
1880-81.....	37,000 00	
1881-82.....	44,000 00	
1882-83.....	58,750 00	
1883-84.....	58,750 00	
1884-85.....	40,000 00	
1885-1886.....	31,000 00	
1886-87.....	54,000 00	
	<hr/>	\$396,557 15
		<hr/>
		\$216,057 85
		<hr/>
		\$281,275 95

The City also owns 4,000 shares, being a majority, of the Capital Stock of the Bangor and Piscataquis Railroad Company, the par value of which is two hundred thousand dollars.

At the recent session of the Legislature, the City presented a claim against the State, estimated at not less than sixteen thousand dollars, for payment of her proportion of the excise tax, levied by the Governor and Council and collected from the Maine Central Railroad Company, on account of the gross transportation earnings of the European and No. American Railway Company, for the years 1884-5-6.

The Legislature, by the passage of an act, providing for an apportionment of the Railroad tax in the future, such as is claimed by the City for the past, has virtually admitted the validity of the demand, and it will doubtless be renewed at the first suitable opportunity. A more extended description of the claim is embraced in a special report made to the City Council, March 18, 1887.

# STATEMENT OF LIABILITIES OF THE CITY OF BANGOR,

## MARCH 16th, 1887.

1887.]

### BONDED INDEBTEDNESS.

Loans.	When Issued.	When Due.	Numbers of Bonds.	Denomination.	Amounts.	Rate of Interest.
V.	March 14, 1885.	Nov. 14, 1887.	14—20.	1,000 00	7,000 00	Four per Cent.
	" " "	" " "	21—26.	500 00	3,000 00	" " "
	" " " 1888.	" " "	27—33.	1,000 00	7,000 00	" " "
	" " "	" " "	34—39.	500 00	3,000 00	" " "
	" " " 1889.	" " "	40—46.	1,000 00	7,000 00	" " "
	" " "	" " "	47—52.	500 00	3,000 00	" " "
	" " " 1890.	" " "	53—59.	1,000 00	7,000 00	" " "
	" " "	" " "	60—65.	500 00	3,000 00	" " "
	Nov. 14, 1886.	" " 1891.	1—10.	1,000 00	10,000 00	" " "
A.	Sept. 1, 1872.	Sept. 1, 1892.	1—50.	1,000 00	50,000 00	Seven " "
X.	Jan. 1, 1874.	Jan. 1, 1894.	1—100.	1,000 00	100,000 00	Six " "
Water Loan.	July 1, 1875.	July 1, 1905.	1—325, 376—455.	1,000 00	455,000 00	" " "
L.	" " "	" " "	326—375, 456—495.	500 00	45,000 00	" " "
					\$700,000 00	

CITY OF BANGOR.

N. B.—The coupons are payable semi-annually, and are provided for at the Merchants National Bank, Boston, and at the City Treasurer's office in Bangor, at the holder's option.



**Trust Funds.**

For the Bangor Fuel Society.....	\$1,000 00
Home for Aged Women.....	25,000 00
Children's Home.....	40,000 00
Bangor Mechanic Association.....	12,000 00
Wakefield Fund for indigent Women..	10,000 00
Firemen's Relief Fund.....	1,000 00
Total.....	<u>\$89,000 00</u>

Bearing interest at six per cent., except the Wakefield fund which draws four and one-half per cent. annually.

Total amount of Bonds and Trust Funds..... \$789,000 00

For a complete statement of the "Hersey Fund" of one hundred thousand dollars, (\$100,000 00) which is invested in productive securities, and held by the City for the purposes of this Trust, reference may be had to the annual Report of the "Trustees of the Hersey Fund" printed herewith.

**Temporary Loans.**

Treasurer's note:

March 15, 1887, 8 months..... \$12,000 00

**Statement of Interest Payable in 1886-1887.****COUPONS ON BONDS.**

May 14, 1887.....	\$1,000 00	Nov. 14, 1887.....	\$1,000 00
July 1, ".....	18,000 00	Jan'y 1, 1888.....	18,000 00
Sept. 1, ".....	1,750 00	Mar. 1, ".....	1,750 00
			<u>\$20,750 00</u>
		Brought over.....	20,750 00
	<u>\$20,750 00</u>	Total....	<u>\$41,500 00</u>

**ON TRUST FUNDS.**

April 1, 1887.....	\$750 00	Oct. 1, 1887.....	\$750 00
July 1, ".....	1,425 00	Jan'y 1, 1888.....	1,485 00
Sept. 1, ".....	360 00	Mar. 1, ".....	360 00
	<u>\$2,535 00</u>		<u>\$2,595 00</u>
Brought over.....			2,535 00
Also one year's interest to Jan. 1, 1887, on "Wakefield Fund".....			450 00
2½ year's interest to Dec. 1, 1887, on Firemen's Relief Fund, (if required) \$150. less paid in 1886, \$20.00.....			<u>130 00</u>

Total interest on Bonds and Trust Funds..... \$5,710 00  
\$47,210 00

**Statement of Loans in aid of Railroad Corporations.****TO THE EUROPEAN AND NORTH AMERICAN RAILWAY CO.**

Six per cent. bonds No.'s 1 to 1,000, \$1,000 each, due

January 1, 1894..... \$1,000,000 00

Interest payable semi-annually, Jan. 1, and July 1.

The coupons on this loan, are paid at the holder's option, on presentation, at the Merchants National Bank, Boston, or at the office of the City Treasurer in Bangor, the requisite funds therefor being provided by the Maine Central Railroad Company, who have leased the European and North American Railway.

**TO THE BANGOR AND PISCATAQUIS RAILROAD CO.**

Six per cent. bonds, No.'s 1 to 500, \$1,000 each..\$500,000 00

501 to 700,\$500 each... 100,000 00

Seven per cent. bonds, No.'s, 1 to 325, \$1,000 each 325.000 00

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\$925,000 00

All due April 1, 1899.

The coupons on this loan are due semi-annually, April 1, and Oct. 1, and are paid by the City Treasurer, either at his office in Bangor, or at the Merchants National Bank, Boston, at the holder's option.

N. B. These loans are secured by first mortgages to the City, of the Road and equipment, of each Corporation.

JOHN L. CROSBY, City Treasurer.

## THE HERSEY FUND.

### ANNUAL REPORT OF THE TRUSTEES.

#### TO THE CITY COUNCIL:

The undersigned, Trustees of the Hersey Fund, have the honor to submit their fourth annual report as required by section 5 of "An ordinance to provide for the administration of the Hersey Fund."

Following is an abstract of the account of the Treasurer of the Hersey Fund from Feb. 1, 1886, to date, from which it will appear that the Library has had from this fund the sum of \$3,747.29. It has also the income from the fund of the Mechanics' Association, which fund is \$12,000.00, and such sum as has been collected for home use of library books, which is shown by the librarian's report, \$974.00; besides the fines collected:

The Hersey Fund in account with John L. Crosby, Treasurer.

#### DR.

1886.

Jan. 12—For paid F. H. C. Reynolds & Co. for Bangor, B. & P. loan 6 per cent. bond No. 18, due April 1, 1899.....	\$1,000 00	
Premium, 18 $\frac{3}{4}$ per cent.....	187 50	
Accrued interest from Oct. 1.....	16 83	
		\$1,204 33
Oct. 27—Paid C. D. Bryant for Bangor E. & N. A. loan, 6 per cent. bond No. 891, due Jan. 1, 1894.....	1,000 00	
Premium, 12 $\frac{1}{2}$ per cent.....	125 00	
Interest, from July 1.....	19 33	
		\$1,144 33
Nov. 19—Paid Bowler & Merrill for ten shares E. & N. A. Ry. stock, 5 per cent.....	1,000 00	
17 per cent. premium.....	170 00	
Interest from Oct. 1.....	6 67	
		\$1,176 67

1887.

Jan. 4—Bowler & Merrill, rent of safe.....	10 00	
To Bangor Public Library, July 2, '86, \$1,800; Jan., '87, \$1,947.29.....	3,747 29	
Compensation to Treasurer.....	273 29	
Balance to new account.....	146 19	
		<u>\$7,702 10</u>

1887.]

## CITY OF BANGOR.

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## CR.

1886.

Jan. 11—By balance of account rendered.....	\$1,236 30
Mar. 1—Interest on temporary loan.....	22 30
18—Same .....	12 50
Loan paid by Bangor Ins. Co.....	1,000 00
30—Coupons on B. & P. loan.....	1,025 00
Coupons on Bangor 7 per cent loan.....	35 00
Coupons on Portland loan.....	150 00
June 28—Coupons on Bangor Water loan.....	345 00
on Bangor Municipal loan.....	90 00
on Bangor E. & N. A. loan.....	450 00
July 1—Int. on temporary loan.....	11 00
Dividend First National Bank.....	600 00
Aug. 27—Coupons on Portland bonds.....	150 00
on Bangor bonds.....	35 00
Oct. 1—    on B. & P. loan.....	1,025 00
Dec. 29—    on E. & N. A. Loan bonds.....	480 00
on Water bonds.....	345 00
on Municipal bonds.....	90 00
1887.	
Jan. 4—Dividend First National Bank.....	600 00
	<hr/>
	\$7,702 10

**Statement of the condition of the Hersey Trust, Jan. 4, 1886.**

Original amount received from the Trustees of the Estate of Samuel F. Hersey.....	\$100,000 00
Annual reserve from income to extinguish premiums paid on bonds, Jan., 1884.....	1,099 69
1885.....	1,203 89
1886.....	1,325 22
1887.....	1,392 39
	<hr/>
Total amount of Fund this day.....	\$105,021 19
Invested as follows:	
Bonds of the City of Bangor, viz:	
Municipal loan dated Jan. 15, 1874, due Jan. 1, 1894, six per cent, Nos. 86, 87, 88, \$1,000 each.....	\$3,000 00
Premium paid on same.....	367 50
Municipal loan, dated Sept. 2, 1872, due Sept. 2, 1892, seven per cent., No. 13.....	1,000 00
Premium.....	200 00
	<hr/>
Amount carried forward,.....	\$4,567 50

Amount brought forward.....	\$4,567 50
Bangor & Piscataquis R. R. loan, seven per cent., dated Dec., 2, 1874, J. L. C., Tr., Nos. 129, 185, Oct. 1, 1871, S. P., Tr., Nos. 45, 46, 47, 48, 49, all due April 1, 1899, \$1,000 each.....	7,000 00
Premium.....	1,800 00
Bangor & Piscataquis R. R. loan, six per cent., dated April 1, 1869, Nos. 18, 34, 65, 66, 67, 68, 69, 70, 71, 72, 81, 82, 114, 211, 212, 253, 267, 320, 402, 418, 419, 436, 70, 471, \$1,000 each, all due April 1, 1899, Nos. 592, 666, 667, 668, \$500 each....	26,000 00
Premium.....	4,464 17
Water Loan, six per cent., dated July 1, 1875, Nos. 79, 234, 235, 260, 410, 415, 422, 434, 435, 543, 544, \$1,000 each, all due July 1, 1905, No. 486, \$500.....	11,500 00
Premium.....	2,377 50
European and North American Railway loan, six per cent., dated Jan., 20, 1869, No. 43, June 7, 1869, Nos. 319, 335, 338, 339, July 24, 1869, Nos. 423, 480, 502, 581, 617, 623, 624, Oct. 19, 1869, Nos. 739, 747, 777, 891, all due Jan. 1, 1894, \$1,000 each.....	16,000 00
Premium.....	2,312 25
Bonds of the City of Portland:	
Portland and Ogdensburg R. R. Co., loan six per ct., dated July 15, 1872, due Sept. 1, 1907, Nos. 578, 579, 580, 581, 1,291, \$1,000 each.....	5,000 00
Premium.....	1,121 08
Stock in First National Bank, Bangor.....	15,000 00
Premium paid Hersey Estate, (on 250 shares).....	6,562 50
Stock in European and North American Railroad Co., 10 shares (5 per cent.).....	1,000 00
Premium.....	170 00
Cash deposited in Second National Bank, Bangor...	146 19
	<hr/>
	\$105,021 19

The very competent officers of the past year have been re-elected for the coming year, at the same salaries.

The number of books in the library at the last report was.....		23,474
Added the past year by purchase.....	1,381	
“ “ “ “ “ gift.....	196	
“ “ “ “ “ binding periodicals and pamphlets.....	134	
Old books re-entered.....	5	
Total additions.....		1,653
Less worn out, removed, etc.....	81	1,572
Total number volumes now in library.....		25,046

The purchased books are thus classified: General Works, 20 volumes; Philosophy, 21 volumes; Religion, 17 volumes; Acrology, 80 volumes; Language, 7 volumes; Science, 47 volumes; Useful Arts, 20 volumes; Fine Arts, 24 volumes; Literature, 723 volumes; History, 359 volumes.

Expended for books, \$1,782.90, or about \$1.35 per volume. Volumes bound, 403, costing \$233.08. Cost of Periodicals, \$281.05.

The number of books used in the reading room has been 16,987. The number of books delivered for home reading, 42,502.

The admirable catalogue prepared by Mrs. Curran is now in the hands of the printer, and will soon be ready for use.

Respectfully submitted,

Trustees of the Hersey Fund,	{	EDWARD B. NEALLEY,
	{	H. HAMLIN,
	{	F. M. LAUGHTON,
	{	F. A. WILSON,
	{	JOHN L. CROSBY.

Bangor, February 1, 1887.

# RECEIPTS AND EXPENDITURES

OF THE

## CITY OF BANGOR,

For the Municipal Year Ending March 16, 1887.

Compiled under the Direction of the Mayor, agreeably to an Order of the City Council, passed March 21, 1887.

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### HIGHWAY.

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#### RECEIPTS.

Amount of appropriation.....		\$20,000 00
Charged Incidental Fund, labor of men and teams.....	\$138 50	
Water Department, same.....	17 00	
Pauper Department, manure.....	155 00	
Received assessments for concreting.....	559 83	
for pork sold.....	166 95	
for use of derrick.....	31 85	
from sundry persons, labor of men and teams.....	30 05	
	<hr/>	1099 18
Errors in orders.....		16 25
Balance overdrawn.....		2128 23
		<hr/>
		\$23,243 66

#### EXPENDITURES.

Reuben S. Page, salary as Street Commissioner,	\$800 00	
Henry G. Thompson, salary as Street Engineer,	100 00	
George T. Allamby, same.....	50 00	
	<hr/>	\$950 00
Amount carried forward,.....		<hr/>
		\$950 00

1887.]

## CITY OF BANGOR.

33

Amount brought forward,.....		\$950 00
Sundry persons 21 months labor @ \$50.....	\$1,050 00	
12 months labor @ \$45.....	540 00	
81 months labor @ \$40.....	3240 00	
8 months labor @ \$35.....	280 00	
1 months labor @ \$30.....	30 00	
8 months labor @ \$10.....	80 00	
106 $\frac{1}{4}$ days labor @ \$.75....	80 04	
148 $\frac{1}{4}$ days labor @ \$1.00....	148 75	
2180 days labor @ \$1.25....	2,725 43	
3399 $\frac{1}{2}$ days labor @ \$1.50.....	5,099 18	
428 $\frac{1}{2}$ days labor @ \$1.40....	599 55	
	<hr/>	13,872 95
S. J. Finson, labor of men and teams.....	94 25	
A. W. Dudley & Son, same.....	73 60	
E. W. Hasey, same.....	68 75	
Edgar G. Clark, same.....	25 25	
Chas. Clark, same.....	24 88	
A. C. Leighton, same.....	5 50	
B. S. Ham, same.....	3 50	
A. I. Smith, same.....	2 50	
	<hr/>	298 23
S. D. Fogg, breaking roads.....	164 78	
A. D. Watson, same.....	138 64	
A. C. Leighton, same.....	127 19	
M. L. Mills, same.....	101 50	
B. S. Ham, same.....	108 80	
Daniel Carter, same.....	107 52	
K. W. Wood, same.....	101 82	
S. J. Finson, same.....	93 13	
J. L. Triggs, same.....	84 88	
John Johnson, same.....	76 66	
Hebron Luce, same, (1880 to 1886).....	76 00	
T. J. Chase, same.....	72 22	
A. W. Dudley & Son, same.....	61 50	
L. I. Kittredge, same.....	55 16	
F. T. Griffin, same.....	42 80	
Joseph Parker, same.....	31 74	
E. W. Hasey, same.....	25 81	
George A. Burleigh, same.....	21 50	
V. Whitley, same.....	20 25	
	<hr/>	
Amounts carried forward,.....	\$1,511 90	\$15,121 18



Amounts brought forward.....	\$1,511 90	\$15,121 18
R. H. Hunt, same.....	16 25	
A. G. Hasey, same.....	5 50	
H. S. McKenney, same.....	4 60	
O. W. Straw, same.....	6 77	
	<hr/>	1545 02
Washington Clark, hay and straw.....	335 47	
T. G. Rich, same.....	184 12	
J. E. Harriman, same.....	110 88	
M. Young, same.....	90 13	
R. B. Dunning, same.....	83 75	
E. R. Packard, same.....	75 38	
K. W. Wood, same.....	69 70	
L. F. Palmer, same.....	30 91	
F. T. Griffin, same.....	26 42	
Kent & Fisher, same.....	14 93	
C. Curtis, same.....	12 60	
H. A. Barnes, same.....	11 30	
L. J. Hadlock, same.....	10 30	
R. S. Page Commissioner, paid for same.....	60 31	
Whitney & Cameron, grain.....	435 37	
E. Chick & Co., same.....	348 38	
J. C. Towle & Co., same.....	227 21	
C. R. Ireland & Co., same.....	186 16	
Hopkins & Stanford, same.....	87 52	
	<hr/>	2,400 84
John L. Cosmey, blacksmithing.....	88 50	
John Bartlett, same.....	101 50	
S. S. Goodwin, same.....	90 78	
Fogg & Hubbard, same.....	76 24	
Fogg & Frost, same.....	31 70	
	<hr/>	388 72
Joseph Wharff, repairs to carts.....	199 89	
Bangor Foundry & Machine Co., repairs and castings.....	54 25	
F. Thompson, repairs to tools.....	23 60	
John W. Leonard, same.....	20 25	
H. N. Smith, same.....	13 80	
Bangor Edge Tool Co., same.....	6 40	
James B. Atkinson, same.....	5 75	
W. R. Fish, same.....	3 81	
	<hr/>	327 75
Amount carried forward.....		\$19,783 51

1887.]

## CITY OF BANGOR.

35

Amount brought forward.....		\$19,783 51
Thos. Jenness & Son, hardware.....	78 22	
N. H. Bragg & Sons, same.....	53 05	
Haynes, Pillsbury & Co., same....	71 65	
	<hr/>	202 92
Lombard & Gould, harnesses and repairs.....		285 83
Morse & Co., lumber.....	549 35	
Small & Andrews, same.....	60 30	
Lowell & Tibbetts, carpentry and material....	7 63	
	<hr/>	617 28
Joseph P. Bass, gravel, (2 years).....	542 20	
Joseph Carr, same.....	36 96	
John Huckins, same.....	11 50	
C. A. Gibson agent, same.....	8 00	
	<hr/>	598 66
S. F. Jones & Son, stone work.....	69 31	
William N. Sawyer, masonry.....	115 90	
William E. Johnson, building culvert.....	39 00	
William Martin, stone for culvert.....	15 50	
	<hr/>	239 71
A. W. Dudley, two horses.....		700 00
Bangor Gas Light Co., coal tar.....	\$542 00	
George Tyler, repairs to road machine.....	8 00	
H. McLaughlin, powder.....	3 03	
Rice & Miller, same.....	1 80	
Getchell & Co., hose.....	17 10	
Neally & Co., rope.....	2 28	
John Littlefield & Co., drain tile.....	10 44	
John H. Eldridge, painting.....	6 27	
H. A. Furbush, painting signs.....	2 00	
J. F. Parkhurst & Son, netting ....	5 00	
S. T. Pearson & Co., horse covers.....	16 00	
Thompson & Kellogg, supplies.....	10 75	
W. G. Wilde, veterinary surgeon.....	14 00	
J. W. Jenkins, same.....	7 55	
Edward Jordan, liniment .....	9 00	
Ara Warren, drugs, etc.....	36 96	
Water Department, water service.....	32 50	
R. S. Page, Commissioner, paid for sundries...	74 82	
	<hr/>	\$799 50
Errors in orders credited above.....		16 25
		<hr/>
		\$23,243 66

## BRIDGES.

## RECEIPTS.

Amount of appropriation.....	\$1,000 00	
Received from sale of stone.....	1 00	
	<hr/>	1,001 00
Balance overdrawn.....		114 13
		<hr/>
		\$1,115 13

## EXPENDITURES.

## DUDLEY BRIDGE.

Morse & Co., lumber.....	\$159 39	
Lowell & Tibbetts, carpentry.....	57 42	
P. H. Coombs Superintendent, paid for labor..	10 25	
	<hr/>	227 06

## SIX MILE FALLS BRIDGE.

Morse & Co., lumber.....	257 37	
Chas. B. Wyman, hardware.....	17 77	
P. H. Coombs, Superintendent, paid for labor..	212 34	
	<hr/>	487 48

## MERRILL'S MILLS BRIDGE.

Morse & Co., lumber.....	209 79	
Chas. B. Wyman, hardware.....	14 95	
P. H. Coombs, Superintendent, paid for labor..	69 05	
	<hr/>	293 79

## KENDUSKEAG BRIDGE.

Morse & Co., lumber.....	1 30	
Geo. W. Mansur & Co., carpentry.....	55	
Coffin & Quimby, painting railing.....	21 25	
T. A. Jones & Co., stone work.....	6 07	
R. B. Dunning & Co., cement.....	10 50	
R. S. Page Jr., sand, etc.....	2 55	
P. H. Coombs Superintendent, paid for labor...	4 50	
	<hr/>	46 72

## CENTRAL BRIDGE.

Coffin & Quimby, painting railing.....	24 85
--	-------

## FRANKLIN BRIDGE.

Levi Fletcher, stone work, 1885....	10 87	
Chas. B. Wyman, hardware, 1885.....	2 20	
Haynes, Pillsbury & Co., same, 1885.....	22 16	
	<hr/>	35 23
		<hr/>
		\$1,115 13

## SCHOOLS.

## RECEIPTS.

Amount of appropriation.....		\$30,000 00
State mill tax and School Fund.....	\$8,711 25	
State High School tax.....	250 00	
Tuition of non-resident scholars.....	325 35	
Sale of books etc.....	86 82	
	<hr/>	9,374 42
		<hr/>
		39,373 42

## EXPENDITURES.

## SALARIES.

S. P. Bradbury, School Agent.....	\$900 00	
Same, Truant officer.....	100 00	
School Committee.....	250 00	
	<hr/>	1,250 00

## SALARIES OF TEACHERS.

## HIGH SCHOOL.

Jere. M. Hill Principal.....	\$1,399 96	
Jennie A. Philbrook, Assistant.....	549 88	
Lizzie L. Clark, same.....	474 96	
Ida J. Brown, same.....	474 96	
Delia A. Walsh, same.....	456 92	
Annie M. Pease, same, two terms.....	303 45	
Carl Braun, teacher of German.....	288 00	
	<hr/>	3,948 13

## GRAMMAR SCHOOLS.

L. J. Taylor, Principal, Abbot Square one term	\$288 87	
Charles A. Byran, same two terms.....	499 00	
Helen R. Fox, Assistant.....	370 00	
Annie M. Pease, same, one term.....	133 61	
Eunice M. Lawn, same.....	76 66	
Maria F. Smith, same.....	351 92	
Alma S. Davis, same.....	344 96	
Emma A. Blaisdell, same.....	344 96	
Clara E. Kennedy, same.....	344 96	
Ada S. Maybery, same.....	324 39	
Amanda P. Hasty, same one term.....	124 57	
	<hr/>	
Amounts carried forward, .....	\$3,203 90	\$5,198 13

Amounts brought forward,.....	\$3.203 90	\$5,198 13
Emma D. Hincks, same.....	344 96	
Alice Bucknam, same.....	344 96	
Margaret E. Walsh, same.....	344 96	
Jennie A. Sewall, same one term.....	95 82	
Mary S. Snow, Principal Union Square.....	799 94	
Sarah H. Shaw, Assistant.....	370 00	
Lillian B. Cole, same.....	344 96	
Emma F. Lewis, same.....	360 96	
Nancy A. Gilman, same.....	344 96	
Inez S. Matthews, same, one term.....	124 57	
Julia T. Brastow, same, two terms.....	220 39	
Mary C. Robinson, same, one term.....	124 57	
Nina E. Thompson, same, two terms.....	220 39	
Emma L. Ames, same.....	344 96	
Adelaide A. Bakeman, same.....	344 96	
Phebe E. Danforth, same.....	287 46	
Sarah A. Oakes, same.....	57 50	
Mary R. Shaw, same.....	344 96	
M. Isabel Ames, same.....	297 05	
Joanna S. Eveleth, same.....	47 91	
	<hr/>	8,970 14

## INTERMEDIATE SCHOOLS.

Mabel Garland.....	\$324 00	
Charlotte L. Holden.....	324 00	
Annette M. Hincks.....	324 00	
Evelyn B. Kenney.....	189 00	
Laura B. Coombs.....	126 00	
Azubah F. Blaisdell.....	324 00	
Mary Alexander.....	324 00	
Hattie L. Gray.....	324 00	
Florence M. Cummings.....	324 00	
Hattie S. Phillips.....	234 00	
Sadie G. Elder.....	90 00	
Annie E. Hurley.....	324 00	
Alice B. Brown.....	324 00	
Nettie F. Cates.....	324 00	
Angelia Chase.....	324 00	
	<hr/>	4,203 00
Amount carried forward,.....		<hr/> \$18,371 27

Amount brought forward,.....

\$18,371 27

## PRIMARY SCHOOLS.

Fannie E. Titcomb.....	\$324 00
Ida M. Stewart.....	324 00
Vesta M. Nash.....	324 00
Anna M. Lander.....	324 00
Miriam S. Cates.....	324 00
Mary E. Garmon.....	324 00
Sarah M. Prescott.....	324 00
Mary R. Spratt.....	324 00
Alice M. Lawrence.....	324 00
Mary L. Conroy.....	324 00
Lucy H. Crosby.....	324 00
Mary A. Eaton.....	324 00
Louise H. Savage.....	324 00
Etta L. Davenport.....	324 00
Mary Stewart.....	324 00
Ella M. Robinson.....	324 00
Frances J. Gould.....	324 00
Carrie B. Tibbetts.....	324 00
Hattie L. Mosher.....	324 00
Laura J. Sargent.....	324 00

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6,480 00

## ASSISTANT TEACHERS.

Annie Whiting.....	\$207 00
Gertrude Simpson.....	234 00
Lelia A. Kittredge.....	221 00
Lottie M. Davenport.....	234 00
Clara R. Wood.....	234 00
Minnie E. McCarthy.....	234 00
Mary A. Crawford.....	234 00
Addie P. Cobb.....	170 50
Mary E. Gould.....	170 50
Mary Lizzie Towle.....	136 50
Sadie G. Elder.....	169 00
Alice M. Davis.....	30 00
Kate M. Allamby.....	84 50
Mabel L. Dealing.....	145 50
Laura B. Coombs.....	143 00
Mary H. Crawford.....	65 00

Amounts carried forward,.....

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\$2,712 50

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\$24,851 27

Amounts brought forward.....	\$2,712 50	\$24,851 27
Annie M. Reed.....	65 00	
Alice S. Clark.....	28 00	
Nellie Whalen.....	25 50	
Viola B. Kincaid.....	7 50	
	<hr/>	2,838 50

## SUBURBAN TEACHERS.

Hattie W. Spratt.....	\$225 00	
Mary H. Crawford, two terms.....	140 00	
Heman W. Griffin, one term.....	120 00	
Clara E. Sawyer.....	215 00	
Mabel Martin.....	195 00	
Mary E. Lee, one term.....	75 00	
Hattie M. Towle, two terms.....	180 00	
Margaret E. Lee.....	195 00	
Lurana S. Bailey.....	195 00	
Jennie A. Sewall, two terms.....	160 00	
Lizzie May Towle, one term.....	65 00	
Joanna S. Eveleth, one term.....	80 00	
Flora M. Shepard, two terms.....	180 00	
Nina E. Thompson, one term.....	65 00	
Grace H. Smith, two terms.....	130 00	
Mabel L. Dealing, one term.....	65 00	
Kate M. Allamby, .....	97 50	
Viola B. Kincaid, .....	45 00	
Annie M. Reed, two terms.....	140 00	
Annie M. Mullaney, one term.....	65 00	
Nellie F. McCarthy.....	195 00	
	<hr/>	2,827 50

## PENMANSHIP.

Charles P. Fessenden.....	599 96
N. B. Total amount paid teachers \$29,867 23.	

## JANITORS.

E. S. Blake, Abbott Square.....	\$600 00	
Chas. H. Morison, Union Square.....	425 00	
S. P. Bradbury, Agent, paid sundry persons....	708 44	
	<hr/>	1,733 44

## MATERIALS, IMPROVEMENTS AND REPAIRS.

Chas. B. Brown, carpentry and materials....	177 66	
Lowell & Tibbetts, same.....	176 07	
W. & L. Cutter, same.....	39 37	
	<hr/>	
Amounts carried forward, .....	\$393 10	\$32,850 61

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## CITY OF BANGOR.

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Amounts brought forward, .....	\$393 10	\$32,850 67
Geo. W. Mansur & Co., same....	14 57	
Morse & Co., lumber.....	105 94	
Dole & Fogg, same.....	27 25	
Adams & Co., same.....	27 00	
John H. Eldridge, painting, glazing, etc.....	134 02	
E. F. Shaw, same.....	138 56	
Marston & Gorham, same.....	83 16	
John Brown, same.....	50 00	
Coffin & Quimby, same.....	20 00	
Leighton, Davenport & Co., plumbing.....	305 54	
Getchell & Co., same.....	58 19	
R. J. Riley, slating.....	14 29	
David McSkimmon, building fence.....	16 50	
C. H. Sturtevant, masonry.....	380 59	
T. A. Jones & Co., stone work.....	11 59	
W. S. Hellier & Co., brick.....	40 40	
A. H. Gould, same.....	30 40	
R. B. Dunning, cement.....	52 45	
M. Lynch, lock work.....	24 20	
N. H. Bragg & Sons, hardware.....	6 15	
Hinckley & Egery Iron Co., castings.....	20 00	
S. P. Bradbury Agent, paid sundry small bills,	140 95	
		<hr/> 2,094 85

## FUEL.

Pauper Department, wood.....	\$993 13	
Morse & Co., same.....	547 21	
B. S. Ham, same.....	126 59	
James Conners, same.....	87 74	
George W. Whitney, same.....	22 00	
T. R. Thompson, same.....	20 50	
William E. Lord, same.....	20 50	
Chas. L. Snow, same.....	11 56	
S. P. Bradbury Agent, paid for same.....	98 55	
Hincks & Co., coal.....	104 66	
		<hr/> 2,032 44
S. P. Bradbury Agent, paid for preparing and housing fuel.....		256 07

## FURNITURE.

A. H. Roberts & Sons, carpets, window-shades, etc.....	\$46 54	
Geo. W. Merrill & Co., chairs.....	2 60	
		<hr/> 49 14
Amount carried forward,.....		<hr/> \$37,283 17



Amount brought forward,.....

\$37,283 17

## SUPPLIES.

D. Bugbee & Co.,.....	25 87
Chas. Hight.....	5 31
S. P. Bradbury agent, paid for brooms, brushes, pails, etc.....	90 15

121 33

## BOOKS AND STATIONERY.

D. Bugbee & Co.....	227 82
Chas. Hight.....	116 92
Cowperthwait & Co.....	56 55
J. B. Lippincott.....	37 35
S. P. Bradbury, Agent.....	52 17

490 81

## MISCELLANEOUS.

R. S. Page, Jr., hire of teams and gravel.....	57 73
F. H. Duffy, concreting.....	53 65
Joseph Mooney, printing.....	32 75
John H. Bacon, same.....	18 50
B. A. Burr, same.....	3 00
School Committee, horse hire.....	60 00
A. Noyes & Co., stove work.....	106 86
W. H. Edmunds, clocks.....	18 75
E. G. Ingalls, same.....	5 00
Bangor Foundry & Machine Co., castings ....	3 00
Water Department, water service.....	660 00
S. P. Bradbury, Agent, sundry small bills paid,	371 09

1,390 33

Balance unexpended.....

39,285 64

87 78

\$39,373 42

## PAUPER.

## RECEIPTS.

Amount of appropriation.....		\$12,000 00
Cash received of Overseers of Poor.....	\$4,339 79	
Charged School Department for wood.....	993 13	
Received from State of Maine for support of state paupers.....	272 84	
Errors in orders.....		5,605 76
		8 84

\$17,614 60

N. B. For detailed exhibit of receipts see  
report of Overseers of the Poor.

## EXPENDITURES.

David W. Potter, salary as Overseer of Poor...	\$300 00
Henry O. Pierce, same.....	300 00
Joseph W. Thompson, same.....	300 00

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 \$900 00

## EXPENSES AT ALMS HOUSE.

R. E. Hathorn, salary as Superintendent.....	\$600 00
Same, paid sundry small bills.....	1,043 13
Chas. L. Hurd, labor at Alms House.....	330 00
Alfred E. Hathorn, same.....	336 00
A. A. Hathorn, same.....	264 00
Paul R. Demeritt, same.....	144 00
Silas A. Hathorn, same.....	35 00
C. V. Baker, same.....	30 00
Tena McPheters, same.....	144 00
Evelyn Stanchfield, same.....	40 00
Annie Perkins, same.....	32 50
Lucy Doyle, same.....	19 50
Annie Moran, same.....	8 00
A. Bean & Son, meat.....	270 82
Chas. E. Perry, same.....	213 60
Wm. S. Carr, same.....	25 00
George W. Leighton, same.....	16 15
F. Garland & Co., groceries and provisions.....	221 85
James A. Boardman & Co., same.....	272 10
T. R. Savage & Co., same.....	167 95
R. S. Morison & Co., same.....	140 59
Thurston & Kingsbury, same.....	156 00
George I. Wescott, same.....	93 25
C. R. Ireland & Co., same.....	94 27
Chas. Hayward & Co., same.....	73 10
Thompson & Kellogg, same.....	27 13
Dean & Pierce, same.....	50 00
Whitney & Cameron, feed, seeds, etc.....	110 65
I. A. Barstow, same.....	107 79
E. Chick & Co., same.....	91 63
J. C. Towle & Co., same.....	84 17
R. B. Dunning, same and agricultural imple- ments.....	116 00
Highway Department, manure.....	155 00

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 Amounts carried forward,..... \$5,513 18

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 \$900 00

Amounts brought forward.....	\$5,513 18	\$900 00
Morse & Co., plaster.....	22 50	
Edward Jordan, harnesses and repairs.....	41 30	
Joseph F. Snow, dry goods.....	70 36	
J. C. White & Co., same.....	47 89	
Williams & Getchell, same....	33 35	
J. T. Rines & Co., same.....	30 67	
Knight, Rolfe & Emerson, dry and fancy goods,	198 66	
Knight, Emerson & Adams, same.....	65 65	
James Tobin, clothing.....	62 87	
E. J. Davis, boots and shoes.....	52 60	
Leighton Bros., same.....	12 50	
Conners Bros., same.....	19 85	
John Conners, same.....	15 15	
Edward Conners, same.....	12 55	
A. M. Robinson, drugs and medicines .....	16 30	
Ara Warren, same.....	25 60	
C. Sweet & Bros., same.....	22 34	
L. L. Alden & Co., same.....	16 19	
F. J. Taney & Co., same.....	13 85	
N. S. Harlow, same.....	12 00	
City Agency, liquors.....	18 63	
Dole Bros., furniture.....	24 00	
A. H. Roberts & Sons, carpets.....	14 55	
T. G. Stickney & Son, coal.....	44 00	
A. Noyes & Co. tinware, etc.....	34 84	
Thompson & Murch, same.....	8 85	
Lyon & Reed, tableware.....	12 65	
Leighton, Davenport & Co., plumbing.....	165 84	
Getchell & Co., same.....	8 05	
Geo. W. Mansur & Co., carpentry and material,	12 75	
B. C. Frost, painting.....	63 68	
W. N. Sawyer, masonry.....	27 80	
A. C. Leighton, carpentry, etc. ....	297 10	
W. P. Dickey & Co., hardware.....	69 77	
Thos. Jenness & Son, same.....	104 78	
Hodgkins & Hall, same.....	94 12	
Dole & Fogg, same.....	71 02	
Morse & Co., same.....	86 56	
The C. G. Sterns Co., same.....	15 84	
Vanceboro Wooden Ware Co., same.....	51 41	
Amounts carried forward.....	\$7,531 60	\$900 00

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## CITY OF BANGOR.

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Amounts brought forward.....	\$7,531 60	\$900 00
Fire Dpartment, hose carriage.....	40 00	
Henry Boardman, stanchion for cattle stalls.....	30 00	
Water Department, water service.....	115 00	
	<hr/>	7,716 60

## EXPENSES OUTSIDE OF ALMS HOUSE.

H. O. Pierce, Secretary of Overseers of the poor, cash paid for sundries.....		1,557 85
Robert Hickson, groceries and provisions.....	482 95	
Hartford Pond, same.....	284 48	
F. L. Frank & Co., same.....	203 56	
Thompson & Kellogg, same.....	179 99	
Dean & Pierce, same.....	119 03	
W. W. Seavey, same.....	111 28	
Geo. S. Toothaker, same.....	105 79	
E. Cobb & Co., same.....	75 50	
C. C. & F. A. Porter, same.....	4 00	
	<hr/>	1,566 58
Maine Insane Hospital, support of insane pau- pers.....	1,693 84	
Maine State Reform School, for persons com- mitted.....	172 57	
Maine Industrial School, same.....	78 00	
	<hr/>	1,944 41
Connors Bros., boots and shoes.....	14 50	
E. T. Nealley M. D., medical attendance.....	5 00	
W. L. Hunt, M. D., same.....	3 00	
H. L. Jewell, M. D., same.....	6 00	
Ara Warren, drugs and medicines.....	10 05	
N. S. Harlow, same.....	4 16	
Abel Hunt, coffins, robes, etc.....	36 00	
Tebbetts & Clayton, same.....	16 50	
T. J. Cole, burial of paupers.....	35 00	
Geo. W. Whitney, conveying persons to Reform School.....	16 25	
	<hr/>	146 46
The C. G. Sterns Co., wood.....	850 63	
M. Quine, same.....	269 34	
	<hr/>	
Amounts carried forward.....	\$1,119 97	\$13,831 90

Amounts brought forward.....	\$1,119 97	\$13,831 90
W. Z. Clayton, same.....	148 95	
Hincks & Co., coal.....	17 00	
R. E. Hathorn, delivering wood to school houses, paupers, etc.....	413 60	
	<hr/>	1,699 52
Errors in orders.....		8 84
		<hr/>
		15,540 26
Balance unexpended.....		2,074 34
		<hr/>
		17,614 60

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## SALARY.

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### RECEIPTS.

Amount of appropriation.....	\$8,550 00
Balance overdrawn.....	8 88
	<hr/>
	\$8,558 88

### EXPENDITURES.

Edward B. Nealley, Mayor.....	\$800 00
Victor Brett, City Clerk.....	700 00
Otto F. Youngs, Clerk of Common Council.....	125 00
John L. Crosby, City Treasurer.....	500 00
Same, Collector of taxes.....	1,743 88
Henry L. Mitchell, City Solicitor.....	300 00
P. H. Coombs, City Engineer and Superintend- ant of sewers. ....	1,200 00
S. C. Hatch, Assessor.....	600 00
Thomas S. Moor, same.....	600 00
Charles Ames, same.....	750 00
Everett T. Nealley, City Physician.....	250 00
John J. Flynn, Harbor Master.....	400 00
John Goldthwait, Health Officer.....	400 00
Emery G. Ingalls, Superintendent of Clocks.....	90 00
Joseph F. Hatch, City Bell Ringer.....	100 00
	<hr/>
	\$8,558 88

## FIRE.

## RECEIPTS.

Amount of appropriation.....		\$16,500 00
Received from sale of Hose Carriage.....	\$40 00	
“ “ “ manure, hose, etc.....	46 00	
Charged Sewer Department, hire of horses.....	150 00	
		236 00
Balance overdrawn.....		706 09
		<hr/> \$17,442 09

## EXPENDITURES.

## SALARIES.

Otis D. Maddocks, Chief Engineer.....	\$400 00	
Samuel A. Fellows, Assistant Engineer.....	75 00	
Benj. F. Wing, same.....	75 00	
Jeremiah Haley, same.....	75 00	
Joseph E. Merritt, Engineer of Steamers and Superintendent of Fire Alarm.....	500 00	
		<hr/> \$1,125 00

## STEAMERS "LIBERTY," "UNION" AND "VICTORY," AND HORSE HOSE.

Ambrose Merrill, driver and steward.....	\$600 00	
Same, washing and repairing bedding.....	30 00	
H. D. Buzzell, driver of Steamers 9 months.....	112 50	
Henry C. Cram, same, 4 months.....	50 00	
Frank E. Quimby, fireman of steamers 1 month	6 00	
Chas. O. Maddocks, same 10 months .....	60 00	
Bangor Gas Light Co., gas consumed.....	208 89	
T. G. Stickney & Son, coal.....	57 90	
Hincks & Co., same.....	55 00	
Bacon, Robinson & Co., same.....	3 50	
George L. Moor, hay and straw.....	267 85	
Hopkins & Stanford, grain.....	157 47	
Chas. R. Ireland & Co., same.....	173 47	
Fogg & Frost, horse shoeing.....	16 75	
Fogg & Hubbard, same.....	35 80	
Lombard & Gould, harness work.....	64 93	
		<hr/>
Amounts carried forward,.....	\$1,899 97	\$1,125 00

Amounts brought forward,.....	\$1,899 97	\$1,125 00
Morse & Co., lumber.....	13 62	
Leighton, Davenport & Co., plumbing etc.....	9 61	
Getchell & Co., same.....	5 10	
E. F. Shaw, painting and glazing.....	4 49	
Pritchard & Fairbanks, stove work.....	9 60	
George M. Bachelder, mason work.....	15 75	
T. Jenness & Son, hardware .....	4 62	
Haynes, Pillsbury & Co., same.....	13 47	
Chas. B. Wyman, same.....	6 88	
Bangor Foundry & Machine Co., oil can, etc.....	8 20	
Wood, Bishop & Co., fire pot.....	1 50	
J. Collett, files.....	1 34	
J. W. Holt, repairing steamer's head light.....	1 00	
E. G. Ingalls, repairing clock.....	1 50	
Joseph E. Merritt, labor repairing steamer Union 1885.....	75 00	
Tibbetts & Jordan, drugs, etc.....	8 65	
N. S. Harlow, same.....	9 23	
Quimby & Nickerson, horse food, etc.....	3 00	
W. G. Wilde, veterinary services.....	10 75	
A. H. Roberts & Sons, window shades.....	2 25	
Dole Brothers, furniture.....	4 00	
C. E. Lyon & Co., dry goods.....	4 88	
P. Keefe, soap.....	6 00	
W. S. Hellier & Co., same.....	2 00	
Water Department, water service.....	141 00	
		2,263 41
CHAMPION HOOK AND LADDER COMPANY.		
Wages of 14 men at \$50 for year 1886.....	\$700 00	
Wages of foreman " " " .....	75 00	
Joseph Mann, driver.....	480 00	
Same paid for yoke.....	50	
John G. Frey, steward.....	25 00	
Bangor Gas Light Co., gas consumed.....	32 40	
A. H. Babcock, coal.....	26 58	
Wm. McCarty, wood.....	1 00	
George L. Moor, hay and straw.....	104 82	
Joseph D. Robinson, same.....	5 63	
Chas. R. Ireland & Co., grain.....	52 50	
Hopkins & Stanford, same.....	6 75	
Fogg & Hubbard, horse shoeing.....	14 55	
Amounts carried forward, .....	\$1,524 73	\$3,388 41

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## CITY OF BANGOR.

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Amounts brought forward.....	\$1,524 73	\$3,388 41
Fogg & Frost, same.....	7 00	
S. S. Hubbard, carriage work.....	54 50	
Lombard & Gould, harness work.....	33 22	
T. Jenness & Son, hardware.....	1 15	
Pritchard & Fairbanks, stove work.....	5 10	
N. S. Harlow, drugs, etc.....	2 52	
W. G. Wilde, veterinary services.....	1 50	
Philip Frey, repairing coats.....	2 75	
Water Department, water service.....	15 00	
	<hr/>	1,647 47

## UNION HOSE COMPANY.

Wages of 23 men at \$50 per year, 1886.....	\$1,150 00	
1 man at \$50 per year, 6 months.....	25 00	
foreman, year 1886.....	75 00	
F. D. Matheas, steward.....	50 00	
Company paid cash for hauling carriage to fires,	23 00	
Bangor Gas Light Co., gas consumed.....	40 40	
A. H. Babcock, coal.....	46 68	
Wm. McCarthy, wood.....	1 00	
Pritchard & Fairbanks, stove work.....	13 85	
A. Noyes & Co., same.....	1 90	
Getchell & Co., plumbing.....	4 23	
Rice & Miller, hardware.....	85	
Water Department, water service.....	15 00	
	<hr/>	1,446 91

## HOLLY HOSE COMPANY.

Wages of 14 men at \$50. for year 1886.....	\$700 00	
Wages of foreman for year 1886.....	75 00	
Wages of one man, 11 months in 1885.....	45 83	
E. G. Randall, steward.....	50 00	
Company, paid cash for hauling carriage to fires	15 00	
J. F. Parkhurst, rent of hose house.....	120 00	
Bacon & Robinson, coal.....	24 70	
Dean & Pierce, oil.....	6 32	
Hanson Gray, repairing hose carriage.....	1 25	
Samuel A. Fellows, same.....	1 50	
Water Department, water service.....	10 00	
	<hr/>	\$1,049 60
Amount carried forward,.....		\$7,532 39



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Amount brought forward,.....

\$7,532 39

## ELIJAH LOW HOSE COMPANY.

Wages of 14 men at \$50. for year 1886.....	\$700 00
Wages of foreman.....	75 00
Wages of one man for year 1885.....	50 00
S. D. Libby, steward.....	50 00
Company. paid cash for hauling carriage to fires	10 18
Company. paid for Alarm bell in tower of house	77 80
Bangor Gas Light Co., gas consumed.....	4 60
Bacon, Robinson & Co., coal.....	22 00
Wm. McCarthy, wood.....	1 00
Leighton, Davenport & Co., plumbing.....	1 75
Chas. E. Dole, gas fitting.....	1 37
Water Department, water service.....	10 00

\$1,003 70

## EUREKA HOSE COMPANY.

Wages of 14 men at \$30. for year 1886.....	\$420 00
Wages of foreman.....	42 50
William P. Smiley, steward.....	30 00
Company paid cash for hauling carriage to fires	8 00
John C. Bowen, rent of land for hose house....	12 00
Gideon Ray, oil.....	8 20
Samuel A. Fellows, repairing carriage.....	21 65

\$542 35

## FIRE ALARM TELEGRAPH.

Edwin Rogers, one fire alarm striker....	\$450 00
Same, 10 second-hand fire alarm boxes.....	400 00
Same, sundry apparatus.....	152 65
George M. Stevens, same.....	9 25
Neally & Co., telegraph poles.....	124 48
Dole & Fogg, cross arms.....	16 25
George F. Gould, labor on line.....	236 89
D. J. Sullivan, same.....	10 00
Sumner T. Stewart, painting poles.....	41 60
E. F. Shaw, painting signs.....	5 00
Leighton, Davenport & Co., copper, solder, etc.,	9 64
Bangor Foundry & Machine Co., castings.....	9 16
B. & B. S. S. Co., freight.....	4 25
American Express Co., same.....	2 45

\$1,471 62

Amount carried forward,.....

\$10,550 06

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## CITY OF BANGOR.

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Amount brought forward,.....

\$10,550 06

## GENERAL EXPENDITURES.

Water Department, 161 hydrants at \$40.....	\$6,440 00
American Fire Hose Co., repairs to hose.....	1 00
F. A. Maddocks, care of hose.....	200 00
Chas. O. Maddocks, care of reservoirs.....	21 25
S. S. Hubbard, carriage work.....	42 75
Lowell & Tibbetts, carpentry and material.....	57 26
W. & L. Cutter, same.....	43 03
Geo. W. Mansur, same.....	7 31
E. F. Shaw, painting, etc.....	5 55
T. Jenness & Son, hardware.....	7 81
Harper & Bowes, files.....	6 98
Geo. T. Allamby, castings.....	3 29
Getchell & Co., plumbing.....	14 65
James A. Robinson, rubber coats.....	17 90
J. W. Coffin, painting.....	6 75
R. P. Young, mason work.....	3 90
Currier & Hook, repairing flag.....	1 00
E. D. Haskell, labor.....	2 00
E. & J. F. Webster, wood.....	5 00
E. P. Patterson, brooms.....	3 25
Thompson & Kellogg, supplies.....	1 35

6,892 03

\$17,442 09

## INCIDENTAL.

## RECEIPTS.

Amount of appropriation.....		\$9,000 00
Rent of City Hall.....	\$223 00	
Court street building.....	125 00	
Lot Harlow street, adjoining school house lot .....	121 00	
Lot on shore of Kenduskeag stream....	15 00	
License for Opera House.....	50 00	
Exhibitions.....	100 00	
Billiard rooms.....	30 00	
Dogs.....	368 00	
Amounts carried forward,.....	\$1,032 00	\$9,000 00

Amounts brought forward.....	\$1,032 00	\$9,000 00
Premium on bonds sold.....	76 00	
Costs in suit.....	133 50	
Advertising non-resident taxes.....	16 50	
Sale of lots Pine Grove Cemetery.....	50 00	
State of Maine, Railroad and Telegraph tax....	987 06	
Same, for rent of armories.....	150 00	
	<hr/>	\$2,445 06
Errors in orders.....		15 00
Balance overdrawn.....		740 44
		<hr/>
		\$12,200 50

## EXPENDITURES.

Victor Brett, copying tax book 50 days.....		\$150 00
Patrick Tracy, Assistant Assessor, Ward 1....	\$48 00	
George W. Harriman, same      Ward 2....	42 00	
Fred S. Woodbury, same      Ward 3....	52 00	
Thomas T. Tabor, same      Ward 4....	50 00	
Alfred O. Stewart, same      Ward 5....	52 00	
Charles F. Thoms, same      Ward 6....	48 00	
William E. Lord, same      Ward 7....	52 00	
	<hr/>	\$344 00
Assessors, paid for horse hire.....		50 00
Baldwin & Coombs, plans for Assessors.....		22 50
Paid Wardens viz:		
Dennis O'Leary, Ward 1.....	5 00	
Daniel J. Conners, Ward 1.....	5 00	
James H. Sweeney, Ward 2.....	5 00	
Michael J. Cullinan, Ward 2.....	5 00	
John F. Foster, Ward 3.....	5 00	
George W. Sullivan, Ward 3.....	5 00	
John T. Bowler, Ward 4.....	5 00	
Albert G. Noyes, Ward 4.....	5 00	
W. E. Mansur, Ward 5.....	10 00	
Chas. F. Thoms, Ward 6.....	10 00	
William Conners, Ward 7.....	5 00	
John F. O'Leary, Ward 7.....	5 00	
	<hr/>	\$70 00
Amount carried forward.....		<hr/>
		\$636 50

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Amount brought forward.....		\$636 50
<b>Paid Ward Clerks, viz:</b>		
John T. Gillespie, Ward 1.....	\$6 00	
Patrick E. McAloon, Ward 2.....	12 00	
James J. McGrath, Ward 2.....	6 00	
A. L. Bourne, Ward 3.....	3 00	
Geo. W. Sullivan, Ward 3.....	33 00	
Chas. D. Crosby, Ward 5.....	6 00	
Calvin C. Jones, Ward 6.....	3 00	
Chas. P. Hodgkins, Ward 6.....	3 00	
Michael J. Brennan, Ward 7.....	6 00	
	<hr/>	\$78 00
S. P. Bradbury, cleaning Ward rooms....	8 00	
David Costellow, same.....	3 00	
	<hr/>	11 00
Charles D. Crosby, preparing account of receipts and expenditures.....	75 00	
John T. Bowler, list of transfers of real estate,	32 50	
Wm. P. Hubbard, auditing Treasurer's ac- counts.....	5 00	
	<hr/>	112 50
Victor Brett, preparing poll lists.....	70 00	
Same, Clerk of Aldermen revising poll lists.....	30 00	
Same, Clerk of committee on accounts and claims	50 00	
Same, preparing pension applications.....	43 50	
Same, recording births and deaths.....	46 16	
Same, administering oaths to subordinate offi- cers.....	6 55	
Same, sundry expenses.....	6 73	
	<hr/>	252 94
Same, for postage and stationery.....	16 35	
John L. Crosby Tr., same....	13 80	
Bangor P. O. same.....	33 00	
	<hr/>	63 15
John L. Crosby, Tr., monthly expense account viz:		
Paid Mrs. McDonald, cleaning at Police Station,	144 37	
Mrs Riley, same at City Hall and offices.....	35 51	
Sawing and housing wood.....	29 95	
Telegrams, expressage, proving claims etc., ....	14 55	
Soap, matches, charcoal, cleaning yard etc., ....	22 95	
	<hr/>	247 33
Amount carried forward.....		\$1,401 42

Amount brought forward.....		\$1,401 42
Chas. E. Bagley, janitor at City Hall.....		540 00
Bangor Electric Light and Power Co., lighting City Hall and Treasurer's office.....	117 94	
Bangor Gas Light Co., gas for City Hall offices,	97 60	
Same, Police Court and Station.....	252 20	
Same, illuminated clock.....	143 40	
Same, Grammar School.....	5 60	
Same, water Inspector's office.....	60	
	<hr/>	617 34
Paid for wood and coal, at City Hall and Police Station:		
A. K. Spratt, wood.....	28 12	
Martin Laughlin, same.....	27 17	
George W. Whitney, same.....	41 00	
S. C. Archer, same.....	11 00	
A. H. Babcock, coal.....	87 82	
Hincks & Co., same.....	57 67	
F. A. Cummings, same.....	22 00	
	<hr/>	274 78
John L. Triggs, ice at City Hall and Police Sta- tion.....		16 00
Boutelle & Burr, advertising.....	152 70	
J. P. Bass & Co., same.....	103 50	
B. A. Burr, printing City reports.....	296 25	
Same, sundry printing.....	30 00	
T. W. Burr, same.....	152 00	
S. S. Smith & Son, same.....	162 20	
John H. Bacon, same.....	107 50	
Joseph Mooney & Co., same.....	1 50	
Maverick & Wissingner, engraving bonds.....	40 00	
	<hr/>	1,045 65
Same, stationery.....	13 50	
D. Bugbee & Co., blank books, binding, and stationery.....	417 72	
Chas. Hight, stationery....	9 75	
Knight, Adams & Co., same.....	9 95	
Hoyt, Fogg & Donham, 5 copies Maine Year Book .....	6 25	
F. S. Hasbrouck & Co., bill cases.....	23 50	
	<hr/>	480 67
Amount carried forward,.....		\$4,375 86

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## CITY OF BANGOR.

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Amount brought forward,.....		\$4,375 86
Samuel H. Robinson, sprinkling streets.....	493 00	
L. M. Bryant, same.....	488 00	
George R. Coulliard, same.....	346 50	
R. S. Page, Jr., same.....	20 80	
L. Timmons, painting three sprinklers.....	15 00	
Joseph Wharff, repairs to sprinklers.....	28 81	
A. Kelley, Jr., same.....	2 00	
Joseph Semple, same.....	1 95	
M. Moriarty, same.....	1 25	
D. P. Wingate Estate, second-hand sprinkler...	25 00	
Water Department, water for sprinklers.....	600 00	
	<hr/>	2.022 31
Water Department, water service for watering troughs and fountains, City Hall, etc....		696 00
Hanson, Gray, building fence Seavey Park.....	68 27	
R. P. Raynes, same, Wing Park.....	31 70	
T. F. Cassidy, repairs to fence, Davenport Square	13 60	
F. H. Duffy, trees and labor on Parks.....	50 97	
Seth T. Holt, trees.....	13 50	
John L. Chalmers, labor of men and teams.....	86 38	
Z. T. Dillingham, carpentry..	2 63	
Jona. S. Stubbs, cutting grass .....	21 70	
	<hr/>	288 75
James Greenacre Estate, rent of Jameson Guard Armory.....	260 00	
H. L. Mitchell, rent of 2d regiment headquarters	80 00	
Grand Army of the Republic, Memorial Day...	100 00	
A. R. Field, removing and putting up fence, muster ground.....	64 50	
Hanson Gray, building target.....	10 35	
Highway Department, labor, men and teams...	138 50	
R. S. Page, Jr., same.....	52 00	
W. H. Warren, sprinkling .....	9 50	
	<hr/>	\$714 85
J. F. Hatch, et al. ringing bells July 4th .....		12 50
B. B. Thatcher, rent of office for Overseers of Poor two quarters .....	37 50	
Wm. B. Hayford, same, two quarters.....	37 50	
	<hr/>	75 00
Amount carried forward .....		\$8,185 27

Amount brought forward, .....		\$8,185 27
P. H. Coombs, City Engineer and Superintendent of Sewers :		
Services of Assistant, 320½ days at \$2.00. ....	640 50	
Same, paid for surveying tools, etc. ....	3 10	
	<hr/>	643 60
Geo. W. Russell & Sons, hearse, Maple Grove Cemetery, .....	310 00	
T. J. Cole, expenses to Boston to purchase same	20 00	
M. C. R. R. Co., freight on same. ....	18 50	
Staples & Ring, repairs to hearses. ....	37 00	
T. J. Cole, labor at Mt. Hope Cemetery. ....	125 50	
Same, recording deaths. ....	5 00	
Highway Department, labor. ....	7 50	
Chas. H. Bean, same. ....	8 00	
	<hr/>	531 50
Lowell & Tibbetts, carpentry and material at City Hall and Police Station. ....	193 42	
Chas. B. Brown, same. ....	137 50	
George W. Mansur & Co., same at City Hall. .	23 91	
Morse & Co., lumber. ....	19 15	
J. H. Eldridge, painting. ....	72 88	
E. F. Shaw, same. ....	39 10	
A. I. Wing, same. ....	17 34	
M. Dyer, same. ....	5 44	
Marston & Gorham, painting signs. ....	2 25	
Leighton, Davenport & Co., galvanized gutter, &c., City hall. ....	100 62	
Same, plumbing at City Hall. ....	97 13	
Same, plumbing at Police Station. ....	179 48	
Same, plumbing at City Stable. ....	12 50	
Getchell & Co., plumbing at Police Station. ....	12 74	
J. W. Chamberlain, plumbing at City hall. ....	1 87	
Chas. E. Dole, gasfitting. ....	8 49	
R. J. Riley, slating. ....	24 34	
Bangor Foundry & Machine Co., castings. ....	5 28	
M. Lynch, lockwork. ....	15 35	
Wm. N. Sawyer, mason work at Police Station. .	61 20	
Z. L. Bragdon, iron work. ....	24 30	
S. A. Fellows, same. ....	2 00	
T. A. Jones & Co., stone work. ....	1 98	
	<hr/>	
Amounts brought forward, .....	\$1,058 27	\$9,360 37

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## CITY OF BANGOR.

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Amounts brought forward,.....	\$1,058 27	\$9,360 37
Jewell Granite Co., Street monuments.....	18 00	
Sewer Department, repairs to City Hall drain..	45 00	
Wood, Bishop & Co., stoves at City Hall.....	37 61	
A. Noyes & Co., same at Hall and City Stable..	73 47	
S. C. Hatch, desk for Assessors' office .....	40 00	
Geo. W. Merrill Furniture Co., chairs City Hall	10 75	
A. H. Roberts & Sons, laying carpets.....	1 75	
Haynes, Pillsbury & Co., hardware.....	1 73	
E. P. Patterson, brooms.....	1 90	
	<hr/>	1,288 48
Vose, Chaplin & Brett, amount allowed by City Council for services revising City ordinances	250 00	
Chas. P. Stetson, legal services.....	160 00	
John L. Crosby Tr., paid expenses of City officials at Augusta in matter of R. R. tax, etc	93 80	
Baldwin & Coombs, map for use at Augusta....	20 00	
H. S. Mitchell, City Solicitor, cash expenses....	150 63	
John McNamara, amount allowed by City Council on account of injuries received in Sewer Department.....	35 00	
E. C. Burleigh State Treasurer, inspection of weights and measures.....	5 00	
	<hr/>	714 43
Chas. L. Marston, expenses as member of Sewer Board, 1885.....	50 00	
A. L. Simpson, same.....	50 00	
M. G. Rice, same.....	50 00	
Baldwin & Coombs, labor on Sewer Record compiled under direction of Sewer Board 1886.....	156 25	
John L. Crosby, same.....	116 37	
	<hr/>	422 62
Bangor Opera House Co., use of house for High School graduating exercises.....	50 00	
Town of Brewer, taxes.....	8 55	
C. D. Chapman, board of prisoner at jail.....	5 00	
N. E. Telephone & Telegraph Co., rent of telephones at City Hall, Water Works, Alms House, City Stables and Engine House..	251 05	
	<hr/>	<hr/>
Amounts carried forward,.....	\$314 60	\$11,785 90



Amounts brought forward.....	\$314 60	\$11,785 90
D. A. Robinson, M. D., professional services...	3 00	
E. T. Nealley, M. D., same.....	48 00	
H. F. Hanson, M. D., same.....	10 00	
Daniel Hennessy, M. D., same.....	3 00	
Abel Hunt, burial of man killed in sewer.....	21 00	
	<hr/>	399 60
Errors in orders.....		15 00
		<hr/>
		\$12,200 50

## POLICE.

### RECEIPTS.

Amount of appropriation.....		\$8,000 00
Fees received from City Marshal.....	\$389 66	
Police Judge.....	1,254 10	
County Treasurer.....	1,515 45	
	<hr/>	3,159 21
		<hr/>
		\$11,159 21

### EXPENDITURES.

Ezra C. Brett, Judge of Police Court.....	\$900 00	
George W. Whitney, City Marshal.....	891 37	
Thomas F. Allen, Policeman.....	600 00	
Perry M. Arnold, same.....	568 02	
John C. Bowen, same.....	600 00	
George W. Dolley, same.....	600 00	
Patrick J. Dougherty, same.....	600 00	
Lindley W. Gilman, same.....	600 00	
George F. Hathaway, same.....	309 84	
Calvin Knaide, same.....	600 00	
Timothy J. Leary, same.....	600 00	
Abner T. Jordan, same.....	521 34	
James Nickerson, same.....	600 00	
Thomas A. Davis, same.....	591 80	
Alvin Reed, same.....	593 20	
James J. Fahey, same.....	274 60	
Joseph Saunders, same.....	58 20	
George W. Harriman, Special Police.....	142 02	
Sundry persons, same.....	322 10	
	<hr/>	
Amount carried forward .....		\$9,972 49

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## CITY OF BANGOR.

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Amount brought forward .....		\$9,972 49
George W. Whitney, City Marshal:		
Paid for horse hire, trucking persons to station, etc.....	100 69	
Postage, telegrams, etc.....	7 13	
Thomas F. Allen, expenses to Dover, after pris- oner .....	14 63	
John P. Merrill, horse hire.....	17 50	
Thompson & Kellogg, supplies ....	117 32	
T. Jenness & Son, hardware.....	16 95	
J. H. Neal, handeuffs.....	2 62	
D. A. Robinson, M. D., attendance on prisoner,	4 00	
Water Department, water service.....	45 00	
	<hr/>	325 84
Deduction from pay roll for lost time credited to 1887-8 account.....		48 62
Balance unexpended.....		812 26
		<hr/>
		\$11,159 21

## SEWERS.

## RECEIPTS.

Amount of appropriation.....		\$16,000 00
Collected by City Treasurer, assessments on sewers constructed in 1886.....	\$3,004 23	
.....1885.....	398 67	
.....1884.....	153 02	
.....prior to 1884.....	1,899 67	
	<hr/>	5,455 59
Charged Incidental Department, labor.....		45 00
Balance overdrawn.....		4,235 29
		<hr/>
		\$25,735 88

## EXPENDITURES.

P. H. Coombs, Superintendent of sewers, paid for labor building, repairing and cleaning sewers and petty cash items.....	\$16,377 63
Hopkins & Stanford, cement.....	980 10
R. B. Dunning & Co., same.....	440 10
	<hr/>
Amount carried forward, .....	\$17,797 83

Amount brought forward .....	\$17,797 83
W. S. Hellier & Co., brick.....	2,670 31
Brewer Brick Co., same.....	306 00
A. H. Gould, same.....	50 75
B. J. Dunn & Co., same.....	14 00
R. S. Page Jr., gravel and sand.....	293 80
J. L. Chalmers, same.....	274 85
H. & E. Iron Co., cesspool and manhole tops and grates.....	669 00
Bangor Foundry & Machine Co., same.....	203 50
Wood, Bishop & Co., funnel stops.....	10 30
John Littlefield & Co., drain tile.....	1,535 99
Henry McLaughlin, blasting powder.....	38 32
Morse & Co., lumber.....	208 28
Chas. B. Wyman, hardware.....	43 84
N. H. Bragg & Sons, same.....	30 42
Rice & Miller, same.....	2 25
T. Jenness & Son, same.....	1 95
Joseph Wharff, repairs to carts.....	41 10
John Gillespie, repairing and sharpening tools.....	180 35
Dennis Casey, same.....	135 17
Frank Thompson, same.....	20 85
T. F. Cassidy, same.....	18 35
R. F. Bates, same.....	11 85
Joseph E. Merritt, repairing hose.....	2 50
Jewell Granite Co., covering stone.....	236 00
T. A. Jones & Co., same.....	20 80
Geo. W. Mansur & Co., carpentry and material.....	13 50
Lowell & Tibbetts, same.....	13 13
Chas. B. Brown, same.....	1 38
Nealley & Co., rope, etc.....	22 62
John Conners, rubber boots.....	9 00
James Tobin, rubber clothing.....	21 00
Thompson & Kellogg, oil and pails.....	33 14
Fire Department, use of horses.....	150 00
W. H. Warren, same.....	32 00
Geo. M. Taylor, same.....	21 75
M. C. O'Brien, covering Sanford Brook sewer.....	50 00
Water Department, water for flushing sewers.....	400 00
Chas. L. Marston, expenses as member of Sewer Board, 1886.....	50 00
Moses G. Rice, same.....	50 00
A. L. Simpson, same.....	50 00
	<hr/>

25,735 88

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## CITY OF BANGOR.

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## CITY AGENCY.

## RECEIPTS.

Cash received from Charles P. Hodgkins Agent to May 4, 1886.....	\$847 36	
Same received from George W. Sullivan Agent	4,968 63	
		\$5,815 99

## EXPENDITURES.

William Z. Clayton, State Commissioner for liquors.....	\$4,898 99	
Charles P. Hodgkins Agent, incidental expenses, rent, etc.....	73 51	
Same, salary as Agent to May 4, 1886.....	72 32	
George W. Sullivan, same to March 22, 1887....	528 90	
Water Department, water service.....	5 00	
		\$5,578 72
Balance unexpended.....		237 27
		\$5,815 99

## GAS.

## RECEIPTS.

Amount of appropriation .....	\$8,700 00	
Received from Globe Gas Light Co., for repairs	7 36	
		\$8,707 36
Balance overdrawn.....		197 03
		\$8,904 39

## EXPENDITURES.

Paid Bangor Gas Light Co., viz:		
125 street lights, 1 year at \$30 per annum.....	\$3,750 00	
1 street light, 3 months at \$30 per annum.....	7 50	
		\$3,757 50
Paid Bangor Electric Light and Power Co., viz:		
21 street lights, 1 year at \$150. per annum.....	3,150 00	
1 street light, 6 months .....	75 00	
1 street light, 3 months and 2 days .....	38 50	
		3,263 50
Amount brought forward .....		\$7,021 00

Amount brought forward .....		\$7,021 00
Paid Globe Gas Light Co., viz:		
74 street lights, 12 months 304 nights each, in all 22,496 nights at 7½ cents a night.....	1,687 20	
1 street light 9 months, 217 nights.....	16 28	
1 street light 8 months, 192 nights .....	14 41	
1 street light 7½ months 177 nights.....	13 28	
1 light at bridge 9 months and 13 days at \$3.00 per month .... ..	28 20	
	<hr/>	1,759 37
Mrs. C. Robshaw, lighting McQuesten bridge to Jan. 1, 1887.....	15 00	
W. G. Duren, repairs, new frames, etc., Globe Gas Co., posts.....	87 15	
J. C. Buzzell, glass.....	20 47	
T. Jenness & Son, same.....	1 40	
	<hr/>	124 02
		<hr/>
		\$8,904 39

## INTEREST.

### RECEIPTS.

Amount of Appropriation.....		\$19,000 00
Received on non-resident taxes....	6 66	
Received on bonds sold.....	4 44	
Received on bank deposits.....	427 96	
	<hr/>	439 06
		<hr/>
		\$19,439 06

### EXPENDITURES.

Coupons on Municipal Loans.....	\$11,385 00	
Interest on Temporary Loans.....	2,786 33	
Interest on Trust Funds.....	5,156 58	
	<hr/>	19,327 91
Unexpended balance.....		111 15
		<hr/>
		\$19,439 06

## TEMPORARY LOANS.

### RECEIPTS.

Amount of City Treasurer's notes discounted,	\$98,000 00
Appropriation.....	21,000 00
Received from other sources.....	7,000 00
	————— \$126,000 00

### EXPENDITURES.

Paid City Treasurer's notes, viz:

February 17, 1886, 9 months.....	\$4,000 00
March 5, 1886, 8 months.....	20,000 00
March 5, 1886, 8 months.....	4,000 00
March 12, 1886, 8 months.....	10,000 00
March 12, 1886, 8 months.....	10,000 00
March 12, 1886, 8 months.....	10,000 00
April 28, 1886, 6 months.....	5,000 00
May 20, 1886, 6 months.....	6,000 00
May 28, 1886, 5 months.....	10,000 00
May 28, 1886, 5 months.....	5,000 00
June 7, 1886, 5 months.....	10,000 00
June 7, 1886, 5 months.....	5,000 00
September 1, 1886, 2 months.....	15,000 00
	————— 114,000 00
Notes not matured, viz:	
March 15, 1887, 8 months.....	12,000 00
	—————
	\$126,000 00

## PERMANENT LOANS.

### RECEIPTS.

From sale of four per cent. coupon bonds, dated November 14, 1886, due November 14, 1891, N. B. The premium received on these bonds is credited to the Incidental Fund.	\$10,000 00
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### EXPENDITURES.

Paid Municipal Bonds Loan V. dated March 14, 1885, due November 14, 1886.....	\$10,000 00
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## DISCOUNT ON TAXES.

## RECEIPTS.

Amount of appropriation.....	\$22,500 00	
Balance overdrawn.....	287 66	
	<hr/>	\$22,787 66

## EXPENDITURES.

10 per cent. discount on \$227,228.60 is.....	\$22,722 86	
5 per cent. discount on \$1,372.33 is.....	68 62	
	<hr/>	
	22,791 48	
Less fractional gains.....	3 82	
	<hr/>	\$22,787 66

## OVERLAYINGS.

## RECEIPTS.

Amount of appropriation.....	\$5,040 04
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## EXPENDITURES.

Amount of abatements on taxes 1875-1886 inclusive, allowed by assessors as per certificate.

For 1875.....	\$15 00	
1876.....	15 00	
1877.....	18 75	
1878.....	8 37	
1879.....	27 37	
1880.....	70 64	
1881.....	187 10	
1882.....	265 84	
1883.....	409 16	
1884.....	1,047 13	
1885.....	694 44	
1886.....	1,485 74	
	<hr/>	
Balance unexpended.....		4,244 54
		795 50
		<hr/>
		\$5,040 04

## WATER.

## RECEIPTS.

Amount of appropriation .....		\$18,000 00
Received of Geo. W. Snow, Collector of Water rates:		
Balance due prior to 1884.....		75 00
Rates of 1884-5.....	\$5 94	
1885-6.....	42 50	
1886-7.....	22,466 70	
1887-8 (in advance).....	1,784 86	
	—————	\$24,300 00
Errors in orders.....		39 62
Order cancelled.....		600 00
Amounts charged other departments viz:		
Highway .....	\$32 50	
School .....	660 00	
Pauper.....	115 00	
Incidental.....	1,296 00	
Fire.....	6,631 00	
Police.....	45 00	
Sewer.....	400 00	
City Agency .....	5 00	
	—————	9,184 50
		—————
		\$52,199 12

## EXPENDITURES.

## SERVICE.

Paid men for labor .....	\$3,896 10
Pancoast and Rogers, pipe .....	2,241 88
Chadwick Lead Works, pipe and lead.....	148 96
Walworth Manuf'g Co., pipe, etc.....	474 40
Bangor F. & Machine Co., castings and pipe...	226 89
Geo. Woodman & Co., pipe and valves .....	392 85
Wainwright Manuf'g Co., galvanized pipe.....	148 08
Sumner & Goodwin, plumbing materials.....	85 46
R. D. Wood & Co., main pipe.....	799 36
Portland Water Co., main pipe.....	266 16
Hinckley & Egery Iron Co., iron work.....	976 37
S. S. Goodwin, blacksmith work.....	41 35
T. F. Cassidy, same.....	52 19
	—————
Amount carried forward, .....	\$9,750 05



Amount brought forward .....	\$9,750 05
C. B. Brown, lumber.....	87 98
Morse & Co., same.....	38 46
Bacon, Robinson & Co., coal.....	11 00
C. Hayward & Co., oil.....	4 75
H. McLaughlin, powder.....	38 75
J. H. Eldridge, paint and labor.....	8 46
C. H. Buswell, digging trench.....	7 30
P. H. Vose & Co., lamp chimneys.....	1 65
Highway Department, repair of trenches.....	17 00
Leighton, Davenport & Co., plumbing, etc.....	88 08
Getchell & Co., same.....	80 95
J. W. Chamberlain, same.....	81 95
T. Jenness & Son, hardware.....	10 85
Bragg & Sons, same.....	8 62
Capt. L. B. Frethey, freight on pipe.....	124 25
Boston & Bangor Steamship Co., freight.....	30 70
American Express Co., same.....	1 70
M. C. R. R., same.....	60 99
Nealley & Co., packing.....	19 70
Stultz & Mansur, cocks .....	75 80
L. R. Marsh, trucking.....	177 98
J. L. Chalmers, same.....	26 00
H. W. Warren, same.....	21 10
G. M. Taylor, same.....	11 40
J. D. Haskell, same.....	6 32
C. Grover, same.....	4 80
F. Kelley, same.....	25
W. Carpenter, same.....	25
Bangor Bridge Co., tolls.....	10 50
B. Parker, filing saws.....	95
J. F. Atherton, same.....	80
F. A. Maddocks, use of hose.....	1 50
F. A. Cummings, weighing pipe.....	2 75
Burnham & Taylor, box and valve.....	6 30
Job Collett, files.....	7 65
Bangor Ice Co., ice.....	5 00
F. W. Clark, sundries.....	1 35
Thos. Glynn, wood.....	3 00
James Conners, same.....	2 50
J. L. Copeland, same.....	5 05

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Amount carried forward ..... \$10,844 44

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## CITY OF BANGOR.

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Amount brought forward, .....	\$10,844 44	
John Dunroe, lumber.....	3 50	
J. W. Tolman, charcoal.....	12 00	
Union Water Meter Co., meter.....	19 00	
Merch'ts Insurance Co., insurance.....	22 41	
John Conners, rubber boots.....	24 00	
Rice & Miller, hardware.....	8 47	
Boston Lead Co., pipe.....	33 60	
S. T. Pearson, hose.....	1 50	
A. Noyes & Co., sundries.....	4 54	
E. Brown, lumber.....	12 97	
	<hr/>	\$10,986 43

## RUNNING EXPENSE.

Paid men for labor at works.....	\$1,246 02	
Wm. W. Fellows, salary as Engineer.....	1,480 00	
Same, for paid for labor.....	77 03	
C. Hayward & Co., oil.....	49 97	
Wm. N. Sawyer, mason work.....	266 00	
Dole & Fogg, lumber.....	314 97	
L. & F. H. Strickland, boom logs.....	224 11	
C. B. Brown, carpenter work.....	386 03	
W. S. Hellier & Co., bricks.....	247 00	
Morse & Co., lumber.....	190 64	
Jas. Walker & Co., lumber.....	271 20	
E. & I. K. Stetson, hard pine.....	49 39	
Hinckley & Egery Iron Co., iron work and cast- ings.....	139 64	
Levi Fletcher, stone work.....	302 60	
Bangor F. & M. Co., iron work.....	114 12	
Wm. Savage, labor on boom.....	146 04	
R. B. Dunning, lime and cement.....	190 35	
Bacon, Robinson & Co., coal.....	151 56	
Geo. Woodman & Co., pipe and cocks.....	138 15	
J. F. Towle, sand.....	49 50	
J. E. Merritt, iron work.....	45 56	
Adams & Harrington, gear grease.....	15 38	
C. A. Washburn, window sashes.....	28 00	
Walworth Mf'g Co., pipe, etc.....	55 48	
A. Noyes & Co., sundries.....	20 45	
E. R. Nealley, labor at Works.....	61 82	
Rice & Miller, hardware.....	34 28	
	<hr/>	
Amounts carried forward, .....	\$6,295 29	\$10,986 43

Amounts brought forward.....	\$6,295 29	\$10,986 43
Lyon & Reed, glass and chimneys.....	17 96	
Penobscot River Boiler Works, iron work.....	9 90	
T. F. Cassidy, iron work.....	29 43	
C. B. Wyman, hardware.....	21 64	
J. W. Chamberlain, plumbing.....	25 75	
H. McLaughlin, shovel.....	2 25	
Same, wheelbarrows.....	7 50	
Same, powder and fuse.....	17 81	
Same, battery and wire.....	28 00	
S. A. Fellows, blacksmith work.....	40 84	
H. Gray, lumber and labor.....	12 64	
A. H. Merrill, slate.....	64 90	
Wm. P. Dickey & Co., paints and hardware....	18 41	
Holly Mfg Co., pipe and valves.....	54 00	
N. H. Bragg & Sons, bolts and hardware.....	49 16	
M. Schwartz' Sons, ice saw.....	75	
Same, metal.....	4 68	
Bangor Edge Tool Co., axes, etc.....	4 25	
Haynes & Pillsbury, iron and steel.....	5 82	
Berry & Smith, duck.....	3 00	
Pritchard & Fairbanks, ridge irons.....	1 60	
T. Jenness & Son, hardware.....	52 49	
C. G. Sterns Co., lumber.....	115 28	
I. A. Brastow, guano.....	1 75	
Wm. E. Lord, wood.....	79 77	
I. E. Blackman, same.....	22 84	
Geo. W. Wood, same.....	4 75	
F. A. Wood, same.....	8 50	
J. W. Green, same.....	60 94	
Jas. McGee, same.....	2 03	
R. A. Buxton, same.....	34 25	
F. E. Ring, same.....	3 40	
Lockwood Co., cop waste.....	22 95	
J. W. Green, trucking.....	2 25	
J. Durgin, same.....	9 15	
L. R. Marsh, same.....	22 69	
T. Durgin, same.....	3 63	
B. & B. Steam Ship Co., freight.....	1 65	
M. C. R. R. Co., freight.....	1 40	
Jas. Hurley, rubber boots.....	5 50	
Amounts carried forward.....	\$7,170 80	\$10,986 43

1887.]

## CITY OF BANGOR.

69

Amounts brought forward.....	\$7,170 80	\$10,986 43
F. A. Brown, slating.....	28 80	
A. K. Batchelder, mason work.....	3 75	
Job Collett, files.....	3 61	
Geo. T. Allamby, castings.....	4 50	
Baldwin & Coombs, surveying.....	3 90	
	<hr/>	\$7,215 36

N. B. In this amount (\$7,215.36) is included the cost of constructing the extension to the buildings at the Water Works.

## MISCELLANEOUS EXPENSE.

Paid T. O'Sullivan, wrecking.....	208 50	
Same, labor on dam and booms.....	59 50	
J. E. Green, care of fishway.....	56 00	
T. F. Cassidy, iron work for dam.....	176 61	
W. S. Bolton, labor on dam.....	12 10	
W. W. Fellows, paid for work on dam.....	4 30	
A. L. Hamlin, grading lot at Works.....	6 30	
C. H. Perkins, stone work.....	6 25	
J. Durgin, trucking.....	3 10	
Wm. P. Hubbard, auditing collector's account.	5 00	
S. L. Fellows, labor on dam.....	1 54	
H. H. Dyer, same.....	1 54	
L. Conway, same.....	1 20	
Lowell & Tibbetts, carpenter work.....	54	
	<hr/>	542 48

## INTEREST.

Paid interest on water loan bonds.....	29,925 00
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## HORSE EXPENSE.

Paid S. B. Titcomb, for horse.....	160 00	
A. W. Doane, horse feed.....	96 21	
C. F. & B. N. Thoms, carriage work.....	32 70	
K. W. Wood, hay.....	14 82	
S. S. Goodwin, hay.....	9 85	
Same, iron work and shoeing.....	8 25	
G. F. Ray, hay.....	15 21	
Edward Jordan, harness work.....	43 45	
Aaron Smart, hay.....	19 70	
G. W. Spratt, board of horse.....	10 50	
T. McAloon, shoeing.....	6 25	
L. Timmons, horse powders.....	2 50	
	<hr/>	419 44

Amount carried forward.....	\$49,088 71
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Amount brought forward.....		\$49,088 71
SALARIES.		
F. E. Sparks, Inspector.....	900 00	
George W. Snow, clerk and collector.....	700 00	
	<hr/>	1,600 00
OFFICE EXPENSE.		
Paid for envelopes, etc.,.....		1 59
	<hr/>	\$50,690 30
Order cancelled, entered on other side.....	600 00	
Error in order, " " " .....	39 62	
Unexpended balance .....	869 20	
	<hr/>	\$52,199 12

# REPORT

## OF THE

# HARBOR MASTER.

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TO THE CITY COUNCIL :

Gentlemen—I respectfully submit the following report for the year 1886. The port opened to navigation April 16, and closed Dec. 5, thus remaining open 234 days, during which time 1580 vessels of all classes arrived. Of this number 29 were steamers, 19 barks and barkentines, 26 brigs, and the remainder schooners.

The following table shows the principal imports.

Lumber, pine, feet.....	623,000
Railroad ties.....	100,000
Corn bush.....	524,994
Oats, bush.....	60,680
Coal, tons.....	52,750
Salt, bush.....	41,477
Lime, casks.....	6,460
Cement, casks.....	5,288
Nails, kegs.....	6,950
Flour, bbls.....	7,587
Kerosene oil, bbls.....	3,913
Pig iron, tons.....	1,588
Superphosphates, tons.....	781
Lime rock, tons.....	754
Plaster rock, tons.....	844
Potter's clay, tons.....	525
Moulding sand, tons.....	495
Granite, tons.....	575
Steel rails, tons.....	300
Water pipe, pieces.....	543

Total tonnage of vessels for the year, 416,298 ; number of foreign arrivals, 19, number of foreign clearances, 41.

Respectfully submitted,

JOHN J. FLYNN,

Harbor Master.



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# REPORT OF THE SCHOOLS.

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# **REPORT**

## OF THE

### SUPERINTENDING SCHOOL COMMITTEE.

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TO THE CITY GOVERNMENT :

Gentlemen : In submitting our report, it gives us pleasure to assure you that there has been no abatement in the successful operation of our public schools during the past year. On the contrary, we think there has been a steady advancement of their prosperity.

#### HIGH SCHOOL.

Of this you may justly feel proud. The graduating exercises of the class of '86, numbering 27, which took place in the Opera House at the end of the summer term, were highly creditable to the teachers and the scholars, besides affording great satisfaction to the large audience present.

This year's class will be the largest we have ever graduated, numbering over 40.

We note this large increase as a gratifying indication that the privileges of an excellent education are being more fully appreciated by parents and pupils. No pains should be spared to foster the purpose and desire in every scholar to complete the full four years' course.

With over 240 registered at the opening of the fall term, it was found necessary that a new assistant should be added and Miss Annie M. Pease of the first class Grammar

school was accordingly elected to this position, and the wisdom of the act has been fully justified, for even now the amount of labor for the salary given is very great.

The growing popularity of the school speaks well for the ability of Mr. Hill, the principal, and his faithful assistants. We gather from the register that the whole number of boys in the school last term was 75, and girls 159; in the college course 27; in the classical 146; in English 27; in partial course 28. 179 study Latin; 27 Greek; 107 the sciences; 181 Mathematics; 46 French; 42 German and 77 American and English Literature.

#### GRAMMAR SCHOOLS.

Owing to the resignation of Mr. L. W. Taylor, Principal of Abbot Square, after three years of earnest and successful labor, Mr. Charles A. Byram, graduate class '86 of Bowdoin was chosen to fill the position, and experience has proved that no mistake has been made. The vacancy caused by the promotion of Miss Pease, the first week after the schools opened imposed the necessity for still other changes not easy to be adjusted. Not desiring to disturb the lower classes, it was deemed advisable to bring in a new teacher for the vacancy, but the one selected not having had experience in that grade of Grammar school work, was unable to go through with it successfully. Having tendered her resignation, the Principal was obliged to assume full charge of this room for the rest of the term; and it should be said that with these extra burdens, he proved himself competent to the emergency.

At the commencement of the winter term, Miss Maria F. Smith consented to be promoted from her second class to this position, and Miss Alice Bucknam was elected to fill her place and Miss Jennie A. Sewall, who had taught so successfully the fall term at the Central District, was chosen to

supply the vacancy thus made in the fourth class. Since this, everything has moved on smoothly. The whole number enrolled for the fall term was 448 ; for the winter term, 451 ; the average for both, 421.

Union Square.—The Principal, Miss Mary S. Snow, aided by her efficient assistants, has continued to conduct the affairs of this school with marked success. As can be seen from the Agent's report, there is need of better accommodations for the upper classes. While the aggregate number of pupils is not much increased, yet it is a fact to be hailed of course, with delight, that more of the larger scholars are pressing on for the diploma.

This also is to be regarded as another token of the success of our schools. To meet the necessity of more room, about one-third of the first class have been assigned to Miss Lewis' room of the second class.

In place of Miss Mary C. Robinson and Miss Inez L. Mathews, who are still away, studying to fit themselves for higher usefulness, Miss J. T. Brastow and Miss Nina E. Thompson were appointed, and have shown themselves competent for the work required. There are 11 classes, and 479 pupils in the school.

#### THE INTERMEDIATE AND PRIMARY SCHOOLS.

Notwithstanding the more frequent changes among the teachers, these schools have been well sustained. The resignation of Miss Evelyn B. Kenney at Grove street, has been supplied by Miss Laura B. Coombs, and that of Miss Hattie S. Phillips, the esteemed teacher at Union street, has been filled by her assistant, Miss Sadie G. Elder.

We regret to say that Miss Theresa M. Dillingham, who has rendered so many years of faithful service, continues ill and entirely unable for any kind of work. Other changes will be noted by reference to the tabular view of the schools.

A movement has been made to have uniform work done in these grades, the teachers taking turns in preparing the examples used outside of the text books. And thus far it works well and will be continued. Miss Hattie M. Glass, one of our most valued Primary teachers, has died since our last report.

#### SUBURBAN SCHOOLS.

As a whole, more than ordinary success has attended these schools. It has been the endeavor of the school board to furnish them with as good teachers as possible. To some of the larger schools an increase of wages has been given in order to get and keep better teachers in them. It would be an advantage to some of the smaller districts if the pupils could be taken to the larger schools. In response to urgent demands, the committee would hereby recommend that the terms of the suburban schools be made of the same length as those in the city.

#### STUDIES AND TEXT BOOKS.

Only a few changes have been made in these. At the High school, Wentworth's Algebra has been introduced in place of Bradbury's, and Meservey's Single Entry Book-keeping will henceforth be taught, at least once a week, in the Grammar schools. The new law respecting instruction, concerning the effects of stimulants and narcotics on the physical system is faithfully carried out.

#### RECOMMENDATIONS.

We would earnestly recommend it, and ask you to consider the importance of having vocal music taught in our Primary, Intermediate and Grammar schools. All other cities of our size have it, and deem it essential to the best interests of the scholar and the school discipline. The report of Salem, Mass., states that "No money expended

by the school department is spent to better purpose than that used in creating musical taste and cultivating musical ability." We also recommend that the city fall into line with other cities and purchase the text books and school supplies, and furthermore, make arrangements whereby the High school scholars may take books from the Public Library free of charge.

#### SCHOOL AGENT.

It is with pleasure that we refer to the ability and faithfulness with which your Agent and Truant Officer Mr. S. P. Bradbury, has attended to the discharge of his duties the past year.

Familiar with all the details of the department, not a little is due to his efficiency for the enlarged prosperity of our schools.

#### CONCLUSION.

Inasmuch as the State tax will be diminished the ensuing year by several thousand dollars, and since a good education is so essential to the perpetuation and advancement of our local, State and National welfare, we make bold to ask for more liberal appropriations to sustain and increase the usefulness of our schools.

D. A. ROBINSON,	} Superintending School Committee of Bangor.
GEO. B. ILSLEY,	
JAS. MOONEY,	
CHARLES A. BAILEY,	
JAMES W. DONIGAN.	

# REPORT

## OF THE

# SCHOOL AGENT.

Bangor, March 16, 1887.

To THE CITY COUNCIL.

The receipts and expenditures of the School Department for the past municipal year are as follows :

### RECEIPTS.

Amount of appropriation.....		\$30,000 00
State School Mill Tax.....	\$8,711 25	
State High School Tax.....	250 00	
Tuition from non-resident scholars.....	325 35	
Sale of books.....	83 69	
Broken glass.....	3 13	
	—————	9,373 42
		\$39,373 42

### EXPENDITURES.

Salaries of Teachers.....	\$29,867 23	
School Agent.....	900 00	
School Committee.....	250 00	
Truant Officer.....	100 00	
Janitors.....	1,733 44	
Paid bills for materials, repairs and improve-		
ments.....	2,094 85	
Fuel .....	2,032 44	
Prepairing and housing same.....	256 07	
School furniture.....	49 14	
School supplies.....	121 33	
Books and stationery.....	490 81	
Miscellaneous.....	1,390 33	
	—————	39,285 64
Balance unexpended.....		87 78
		—————
		\$39,373 42

Whole number of legal scholars in city, April 1, 1886 as returned by the assessors.....	5,265
Whole number of scholars registered.....	3,019
Percentage registered of whole number in city.....	57.

## HIGH SCHOOL.

Number registered in Summer term.....	204
Fall term.....	241
Winter term.....	233
Average attendance Summer term.....	192
Fall term.....	231
Winter term.....	219
Percentage of attendance Summer term.....	94
Fall term.....	95
Winter term.....	94

## GRAMMAR SCHOOLS.

Number registered in Summer term.....	856
Fall term.....	938
Winter term.....	902
Average attendance Summer term.....	775
Fall term.....	870
Winter term.....	822
Percentage of attendance Summer term.....	91
Fall term.....	93
Winter term.....	91

## INTERMEDIATE SCHOOLS.

Number registered in Summer term.....	532
Fall term.....	509
Winter term.....	479
Average attendance Summer term.....	481
Fall term.....	453
Winter term.....	420
Percentage of attendance Summer term.....	90
Fall term.....	90
Winter term.....	90

## PRIMARY SCHOOLS.

Number registered in Summer term.....	1,143
Fall term.....	1,051
Winter term.....	999
Average attendance Summer term.....	979
Fall term.....	894
Winter term.....	823



Percentage of attendance Summer term.....	85
Fall term.....	85
Winter term.....	83

## SUBURBAN SCHOOLS.

Number registered in Summer term.....	295
Fall term.....	280
Winter term.....	273
Average attendance Summer term.....	217
Fall term.....	239
Winter term.....	227
Percentage of attendance Summer term.....	74
Fall term.....	85
Winter term.....	83
Number of schools in city—1 High, 21 Grammar, 13 Intermediate, 20 Primary, 13 Suburban, total.....	68
Number of scholars registered under 6 years of age.....	180
Number of scholars registered over 16 years of age.....	189
Teachers required in each school :	
High School, 1 principal, 5 assistants, 1 German.....	7
Grammar Schools, 1 male principal, 1 female principal and 21 teachers.....	23
Intermediate schools, 13 teachers and 3 assistants....	16
Primary schools, 20 teachers and 9 assistants.....	29
Suburban schools, 13 teachers and 2 assistants.....	15
Writing, 1—C. P. Fessenden, .....	1
Total.....	91
Number of different teachers employed during the year 5 males. 97 females.....	102
Number of scholars to each teacher.	

## HIGH SCHOOL.

	Whole number.	Average number.
Summer term,	41	38
Fall term,	40	38
Winter term,	39	37

## GRAMMAR SCHOOL.

Summer term,	39	35
Fall term,	45	39
Winter term,	41	38

## INTERMEDIATE SCHOOLS.

Summer term,	33	30
Fall term,	32	28
Winter,	29	26

## PRIMARY SCHOOLS.

Summer term,	41	35
Fall term,	37	32
Winter term,	36	30

## SUBURBAN SCHOOLS.

Summer term,	23	17
Fall Term,	21	18
Winter term,	21	18

TUITION, INCLUDING SALARIES OF TEACHERS, FUEL, JANITORS SERVICE,  
ETC., PER SCHOLAR.

	Per week.	Per year.
High school.....	60 cts	\$21. 65
Grammar school.....	32 cts	11 52
Intermediate schools.....	25 cts	9 00
Primary schools.....	25 cts	9 00
Suburban.....	38 cts	11 65

As shown by the foregoing statement we have an unexpended balance of \$87.78. Constant care has been exercised in the expenditure of the money in this department. Repairs and improvements have been timely attended to and nothing allowed to go to loss.

The care of the schools implies a grave responsibility; thirty-six school houses, eighty-five school rooms, thirty-eight hundred and sixty sittings to be kept in repair, each room to be kept warm or cold as occasion requires; fuel to be provided, janitors employed and directed, the sanitary condition of each building watched, the health of teachers and pupils cared for, the grounds and enclosures kept in order, about ninety teachers to be paid once a month, a knowledge of the work of teachers and scholars, infectious diseases and exposures to same to be guarded against, a

general care over more than three thousand children to be exercised, make up a part of the duties of your School Agent and to this might be added the care and anxiety of directing the Storm Signal for stopping the schools in inclement weather, which is one of the most vexed questions of the department, for if the signal is given and in two or three hours the sun comes out bright and warm, the act is criticised and perhaps laughed over, but on the other hand if the storm proves bad and the signal is not given, anathemas without limit are heaped on the delinquent official, great anxiety pervades parents, teachers and scholars on a cloudy or slightly stormy morning and it is not infrequent for twenty-five or more inquiries to be made in a single morning "*Is there to be any school to-day?*" So great has been the anxiety at times, that the question is suggested whether it is best to have the signal, and here allow me to say that we have been most acceptably served in this matter without charge, with the steam whistles of Hinckley & Egery Iron Co., and the Bangor Foundry & Machine Co., who courteously volunteered the accommodation.

Among the most valuable improvements within the past few years is the introduction of the Holly water to the school houses, two of which were served the past year. The Prospect street building has all the sanitary arrangements desired, that on Pearl street has the water for drinking only, as there is no sewer near, and your agent most respectfully recommends that sewer accommodations in that vicinity be constructed at an early day, as other parties in that neighborhood besides the schools need drainage. He also suggests that Bower street school house have the Holly water the coming year, and that the Salem Court schools also need the water very much.

A marked increase has been going on in the higher grades

of schools the last years, and we are now crowded for room.

You will see by your committee's report that an additional teacher has been added to the High School, necessitating the use of the Library room for recitations, and by the figures in the report that the school was never as large as now.

The Union Square Grammar School building is packed to its utmost capacity ; one of the twelve rooms being used for a Primary school, which will be crowded out as soon as more Grammar scholars come in, thereby creating a necessity for provision in some place for the Primary class.

Quite an amount of painting should be done to the school houses the coming year. Something was done last ; the High School and Union Square buildings, also the Pearl street house were painted outside. The drainage at Union Square is liable to need attention.

I desire to acknowledge the many courtesies of the Superintending School Committee, and to the City Council's Committee on Schools for their many favors.

Respectfully,

S. P. BRADBURY,

School Agent.

# TABLE.

86

Showing the Expenses of the School Department, the Number of Scholars in City, the Number Registered, &c., from 1868 to 1886.

Year ending March 1.	Fuel.	Books.	Repairs.	Paid Teachers.	Total Expenditures.	Number of Legal Scholars	Number Registered.	Length of School Year in weeks.
1868	\$1,672 89	\$139 31	\$1,728 39	\$20,144 34	\$25,284 44	5,449	3,572	35
1869	2,066 36	194 99	1,405 53	21,020 91	26,777 91	5,382	3,570	37
1870	1,930 76	384 33	4,296 83	24,420 91	34,117 56	5,314	3,424	37
1871	2,214 16	180 78	2,217 29	24,163 86	31,270 93	5,293	3,323	37
1872	1,817 83	237 48	7,437 86	24,944 50	38,007 57	5,284	3,267	37
1873	2,012 57	205 80	2,057 29	26,510 40	34,273 31	5,362	3,182	37
1874	1,838 05	350 09	5,041 32	27,341 50	36,363 66	5,254	3,326	37
1875	2,924 77	411 65	12,004 73	27,504 00	48,558 89	5,123	3,327	37
1876	2,928 52	530 00	3,084 04	29,518 43	40,051 92	5,412	3,367	37
1877	2,774 24	691 16	2,232 02	31,537 57	41,511 65	5,586	3,503	37
1878	1,601 82	527 78	2,757 50	28,472 35	36,951 50	5,362	3,495	37
1879	1,985 75	471 34	2,198 45	21,978 23	29,630 42	5,390	3,163	32
1880	1,238 79	249 23	1,713 26	22,024 61	28,522 60	5,479	3,180	32
1881	1,317 06	246 69	2,134 06	23,262 37	30,568 83		3,120	34
1882	1,806 31	209 03	1,872 91	23,709 88	31,715 91	5,390	3,072	36
1883	1,793 08	229 26	3,057 07	25,459 43	35,100 69	5,347	3,003	36
1884	1,476 48	277 91	5,229 56	27,266 94	39,161 48	5,240	2,993	36
1885	1,841 76	360 22	1,289 03	28,837 46	37,154 81	5,430	2,943	36
1886	1,826 14	360 30	2,453 47	29,511 91	39,210 88	5,253	2,965	36
1887	2,032 44	490 81	2,094 85	29,867 23	39,285 64	5,265	3,019	36

REPORT OF THE SCHOOL AGENT.

[1887.

## GRADUATING EXERCISES.

Graduating exercises of the outgoing class of the High School were held at the Bangor Opera House, June 25th.

## ORDER OF EXERCISES.

## MUSIC.

## PRAYER.

Salutatory, (Latin)—Walter R. Hunt.

Recitation.—A Royal Princess—Mary L. Bickford.

French Dialogue—L'Education—Grace W. Harlow, Nora A. Collins, Alice M. Davis.

Song.—"Oh! How Delightful!"—Eva M. Shaw.

Essay.—"Deep versed in books, but shallow in himself"—Agnes H. Chase

## MUSIC.

Recitation.—Abigail Becker—May E. Farrell.

Debate.—Is the organization "The Knights of Labor," detrimental to the individual laborer?—*Aff.* W. Wingate Hubbard. *Neg.* Daniel McCann.

German Dialogue—"Drei Schulfreundinnen"—Nellie F. Pease, Myra E. Pottle, Lucy B. Spratt.

Piano Solo—Grande Valse de Concert, *Liebling*.—Louise E. Getchell.

Declamation. (original)—Nomination of Garfield—Harry C. Wingate.

Essay.—Ireland and America—Agnes M. Mullaney.

## MUSIC.

Address to '87.—Edw. F. McCullough.

Class History—Belle W. Daggett.

Class Prophecy.—Hattie M. Johnson.

Valedictory.—May B. Hutchins.

## CONFERRING DIPLOMAS.

## CLASS ODE.

WORDS—Nellie L. White.

MUSIC—Orman B. Humphrey.

As classmates, we are gathered here  
To sing our parting song,  
For now we break the mystic band  
That's held our hearts so long;  
For in the past we've shared our joys,  
Together with our pain;  
But now alone we tread the path  
Across life's varied plain.

From hence we walk in separate lines,  
With hopes of lasting joy;  
New duties will our thoughts engage,  
New tasks our hands employ.  
And if we ever faithful be  
And move in virtue's way,  
We'll meet upon that happy shore  
Where shines eternal day.

Now as we sing our last farewell  
To friends and teachers dear,  
The saddening heart gives forth a sigh,  
The anxious eye a tear;  
And as we mark our future course  
O'er life's uncertain sea,  
Oh! Spirit of dear "Eighty-six,"  
Our guardian angel be.

BENEDICTION.

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NAMES OF GRADUATES.

College course—William Wingate Hubbard, Orman Brown Humphrey, Walter Reid Hunt, Daniel McCann, Edw. Francis McCullough, George Thoreau Thatcher, Harry Cargill Wingate.

Classical course—Mary Lurena Bickford, Agnes Holmes Chase, Honoria Anastasia Collins, Belle Whitney Daggett, Alice Maud Davis, May Elizabeth Farrell, Ella Louise Getchell, May Burr Hutchins, Harriet Merrill Johnson, Agnes Maureen Mullaney, Nellie Francis Pease, Myra Etta Pottle, LucyBelle Spratt, Helen Louise White.

English course—Ralph Fessenden Goodhue, Grace Wellington Harlow, Eva Mabel Shaw, Julia Stockwell Wallace, Esther Maria Fletcher.

Partial course—Leslie Danforth.

# TABULAR VIEW,

Showing the different Schools and their Teachers: also the number of  
Scholars registered, average and Percentage of Attendance,  
Wages of Teachers, etc., 1886-7.

## HIGH SCHOOL.

Where Located.	Teacher's Name.	Number Registered.	Average Attendance	Per cent. of Attendance.	Salary per year.
	<b>Summer Term—13 Weeks.</b>				
Abbott Square....	Jere. M. Hill, Principal.....	204	192	94	\$1,400 00
	Jennie A. Philbrook, Assistant				550 00
	Lizzie L. Clark,               "				475 00
	Ida J. Brown,               "				475 00
	Delia A. Walsh,           "				475 00
	Carl Braun, German.....				\$ 8 week.
	<b>Fall Term—13 Weeks.</b>				
Abbott Square....	Jere. M. Hill, Principal.....	241	231	95	1,400 00
	Jennie A. Philbrook, Assistant				550 00
	Lizzie L. Clark,               "				475 00
	Ida J. Brown,               "				475 00
	Delia A. Walsh,           "				475 00
	Annie M. Pease,           "				475 00
	Carl Braun, German.....				\$ 8 week.
	<b>Winter Term—10 Weeks.</b>				
Abbott Square....	Jere. M. Hill, Principal.....	233	219	94	1,400 00
	Jennie A. Philbrook, Assistant				550 00
	Lizzie L. Clark,               "				475 00
	Ida J. Brown,               "				475 00
	Delia A. Walsh,           "				475 00
	Annie M. Pease,           "				475 00
	Carl Braun, German .....				\$ 8 week.



**TABULAR VIEW—Continued.**  
**GRAMMAR SCHOOLS.**

Where Located.	Teacher's Name.	Number Registered.	Average Attendance.	Percent. of Attendance.	Salary per year.
	<b>Summer Term—13 Weeks.</b>				
Abbott Square ...	L. W. Taylor, Principal. ....				\$800
	Helen R. Fox .....	38	36	95	370
	Annie M. Pease .....	30	28	93	370
	Maria F. Smith .....	36	33	92	345
	Alma L. Davis .....	45	41	91	345
	Emma A. Blaisdell .....	40	37	93	345
	Clara E. Kennedy .....	38	35	92	345
	Amanda P. Hasty, ungraded ..	23	18	78	345
	Emma D. Hincks .....	42	36	85	345
	Ada L. Mayberry .....	24	19	78	\$8 week.
	Alice Bucknam .....	42	40	95	345
	Margaret E. Walsh .....	47	44	94	345
Union Square ....	Mary S. Snow, Principal .....				800
	Sarah H. Shaw .....	48	46	96	370
	Lillian B. Cole .....	43	40	93	345
	Emma F. Lewis .....	45	39	87	345
	Nancy A. Gilman .....	46	41	89	345
	Inez L. Mathews .....	41	37	90	345
	Mary C. Robinson .....	40	37	93	345
	Emma L. Ames, ungraded ....	34	25	73	345
	Addie A. Bakeman .....	30	28	93	345
	Phebe E. Danforth .....	42	39	93	345
	Mary R. Shaw .....	42	39	93	345
	M. Isabel Ames .....	40	37	93	345
	<b>Fall Term—13 Weeks.</b>				
Abbott Square ...	Charles A. Byram, Principal ..				800
	Helen R. Fox .....	39	35	89	370
	Chas. A. Byram .....	35	32	91	
	Maria F. Smith .....	52	49	94	345
	Alma L. Davis .....	52	49	94	345
	Emma A. Blaisdell .....	40	37	92	345
	Clara E. Kennedy .....	43	40	93	345
	Ada L. Mayberry .....	37	35	94	345
	Emma D. Hincks .....	47	44	94	345
	Alice Bucknam .....	50	48	96	345
	Margaret E. Walsh .....	46	44	96	345

## TABULAR VIEW—Continued.

## GRAMMAR SCHOOLS.

Where Located.	Teacher's Name.	Number Registered.	Average Attendance.	Per cent. of Attendance.	Salary per year.
<b>FALL TERM—Continued.</b>					
Union Square.....	Mary S. Snow, Principal. ....				\$800
	Sarah H. Shaw.....	44	41	93	370
	Emma F. Lewis.....	38	36	95	370
	Lilian B. Cole.....	48	45	94	345
	Julia T. Brastow.....	48	45	94	345
	Nancy A. Gilman.....	45	39	87	345
	Mary R. Shaw.....	46	44	96	345
	Emma L. Ames.....	50	45	91	345
	Phebe E. Danforth.....	46	42	91	345
	Addie A. Bakeman.....	40	38	95	3 5
	M. Isabel Ames.....	47	41	87	345
	Nina E. Thompson.....	45	41	91	345
<b>Winter Term—10 Weeks.</b>					
Abbott Square. ..	Charles A. Byram, Principal..				800
	Helen R. Fox.....	40	37	92	370
	Maria F. Smith.....	33	31	94	370
	Alma L. Davis.....	51	47	92	345
	Alice Bucknam.....	53	49	93	345
	Emma A. Blaisdell.....	38	36	94	345
	Clara E. Kennedy.....	42	38	90	345
	Ada L. Mayberry.....	35	32	91	345
	Emma D. Hincks.....	43	40	93	345
	Jennie A. Sewall.....	44	41	93	345
	Margaret E. Walsh.....	44	38	86	345
	Mary S. Snow, Principal.....				800
Union Square.....	Sarah H. Shaw.....	42	41	98	370
	Emma F. Lewis.....	37	35	94	370
	Lilian B. Cole.....	47	43	91	345
	Julia T. Brastow.....	45	41	91	345
	Nancy A. Gilman.....	44	37	84	345
	Mary R. Shaw.....	44	40	90	345
	Emma L. Ames.....	48	45	94	345
	Addie A. Bakeman.....	39	35	89	345
	Phebe E. Danforth.....	47	38	81	345
	M. Isabel Ames.....	41	37	90	345
	Nina E. Thompson.....	45	41	91	345

# TABULAR VIEW--Continued. INTERMEDIATE SCHOOLS.

Where Located.	Teacher's Name.	Number Registered.	Average Attendance.	Per cent. of Attendance.	Salary per week.
<b>Summer Term--13 weeks.</b>					
State Street.....	Mabel Garland.....	51	46	90	\$9 00
Division Street...	Charlotte L. Holden.....	39	37	90	9 00
Center Street.....	Annette M. Hincks.....	34	32	90	9 00
Grove Street.....	Evelyn B. Kenney.....	44	40	90	9 00
Salem Court.....	Mary Alexander.....	29	23	80	9 00
Pearl Street.....	Azubah F. Blaisdell.....	35	33	90	9 00
Hancock Street...	Hattie L. Gray.....	41	36	90	9 00
Larkin Street.....	Florence M. Cummings.....	51	46	90	9 00
Union Street.....	Hattie S. Phillips.....	56	51	90	9 00
Third Street.....	Annie E. Hurley.....	27	25	90	9 00
Pond Street.....	Alice B. Brown.....	67	61	90	9 00
West Bangor.....	Nettie F. Cates.....	23	20	90	9 00
Thomas' Hill.....	Angelia Chase.....	35	31	90	9 00
State Street.....	Laura B. Coombs, Assistant..				6 50
Larkin Street.....	Lizzie M. Towle, assistant....				6 50
Union Street.....	Sadie G. Elder.....				6 50
Pond Street.....	Lottie M. Davenport.....				6 50
<b>Fall Term--13 Weeks.</b>					
State Street.....	Mabel Garland.....	52	42	81	9 00
Division Street...	Charlotte L. Holden.....	38	35	92	9 00
Center Street.....	Annette M. Hincks.....	40	37	92	9 00
Grove Street.....	Laura B. Coombs.....	44	37	84	9 00
Salem Court.....	Mary Alexander.....	26	24	92	9 00
Pearl Street.....	Azubah F. Blaisdell.....	38	35	92	9 00
Hancock Street...	Hattie L. Gray.....	35	29	83	9 00
Larkin Street.....	Florence M. Cummings.....	42	37	88	9 00
Union Street.....	Hattie S. Phillips.....	55	47	85	9 00
Third Street.....	Annie E. Hurley.....	23	22	96	9 00
Pond Street.....	Alice B. Brown.....	57	53	93	9 00
West Bangor.....	Nettie F. Cates.....	25	23	92	9 00
Thomas' Hill.....	Angelia Chase.....	34	32	94	9 00
Larkin Street.....	Lizzie M. Towle, assistant....				6 50
Union Street.....	Sadie G. Elder.....				6 50
Pond Street.....	Lottie M. Davenport.....				6 50
State Street.....	Laura B. Coombs.....				6 50

**TABULAR VIEW—Continued.**  
**INTERMEDIATE SCHOOLS.**

Where Located.	Teacher's Name.	Number Registered.	Average Attendance.	Per cent. of Attendance.	Salary per week.
<b>Winter Term—10 Weeks.</b>					
State Street.....	Mabel Garland. ....	48	42	87	\$ 9 00
Division Street...	Charlotte L. Holden.....	35	29	85	9 00
Center Street.....	Annette M. Hincks.....	39	33	85	9 00
Grove Street.....	Laura B. Coombs.....	37	31	84	9 00
Salem Court.....	Mary Alexander .....	26	23	88	9 00
Pearl Street.....	Azubah F. Blaisdell....	35	30	85	9 00
Hancock Street...	Hattie L. Gray.....	31	28	90	9 00
Larkin Street.....	Florence M. Cummings. ....	44	39	88	9 00
Union Street.....	Sadie G. Elder.....	47	40	83	9 00
Third Street.....	Annie E. Hurley.....	25	22	88	9 00
Pond Street.....	Alice B. Brown.....	58	53	91	9 00
West Bangor.....	Nettie F. Cates.....	24	22	91	9 00
Thomas' Hill.....	Angelia Chase.....	30	28	95	9 00
Union Street.....	Annie M. Reed, Assistant.....				6 50
Pond Street.....	Lottie M. Davenport.....				6 50
State Street.....	May H. Crawford.....				6 50

**PRIMARY SCHOOLS.**

**Summer Term—13 Weeks.**

State Street.....	Fannie E. Titcomb.....	42	38	90	\$ 9 00
Abbott Square....	Ida M. Stewart .....	65	55	85	9 00
Division Street...	Vesta M. Nash.....	43	40	93	9 00
Center Street.....	Anna M. Lander.....	68	63	92	9 00
Grove Street.....	Miriam S. Cates.....	81	73	90	9 00
Forest Ave.....	Mary E. Garman.....	36	31	86	9 00
Pearl Street.....	Sara M. Prescott.....	76	67	88	9 00
Salem Court.....	Mary R. Spratt.....	79	68	86	9 00
York Street.....	Alice M. Lawrence.....	84	75	89	9 00
York Street.....	Mary L. Conroy.....	45	40	89	9 00
City Farm.....	Lucy H. Crosby.....	23	21	91	9 00
Larkin Street.....	Mary A. Eaton.....	35	29	83	9 00
Main Street.....	Louise H. Savage.....	86	62	72	9 00
Union Street.....	Etta L. Davenport.....	101	80	79	9 00
Third Street.....	Mary Stewart.....	61	52	85	9 00
Union Square....	Ella M. Robinson.....	37	31	84	9 00
Pond Street.....	Frances J. Gould.....	63	53	84	9 00
West Bangor.....	Carrie B. Tibbetts.....	37	31	84	9 00
Thomas' Hill.....	Hattie L. Mosher.....	39	34	87	9 00
Bower Street.....	Laura J. Sargent.....	42	36	86	9 00

# TABULAR VIEW—Continued.

## PRIMARY SCHOOLS.

Where Located.	Teacher's Name.	Number Registered.	Average Attendance.	Per cent. of Attendance.	Salary per week.
<b>Summer Term--Continued.</b>					
Main Street.....	Annie Whiting, Assistant ....				\$ 5 50
Union Street.....	Gertrude Simpson ".....				6 50
Third Street.....	Lelia A. Kittridge ".....				5 50
Abbott Square....	Addie P. Cobb ".....				5 50
Grove Street.....	Clara R. Wood ".....				6 50
Pearl Street .....	Minnie E. McCarthy, Assistant				6 50
Salem Court.....	Kate M. Allamby ".....				6 50
York Street.....	Mary A. Holden ".....				6 50
Pond Street.....	Mary E. Gould ".....				5 50
<b>Fall Term—13 Weeks.</b>					
State Street.....	Fannie E. Titcomb.....	34	28	82	9 00
Abbott Square....	Ida M. Stewart.....	57	50	88	9 00
Division Street...	Vesta M. Nash.....	34	31	91	9 00
Center Street....	Anna M. Lander.....	60	54	90	9 00
Grove Street.....	Miriam S. Cates.....	73	66	90	9 00
Forest Avenue....	Mary E. Garman.....	41	34	83	9 00
Salem Court.....	Mary R. Spratt.....	67	61	90	9 00
Pearl Street.....	Sara M. Prescott.....	73	60	82	9 00
York Street.....	Alice M. Lawrence.....	75	68	91	9 00
York Street.....	Mary L. Conroy.....	40	33	82	9 00
City Farm.....	Lucy H. Crosby.....	25	20	80	9 00
Larkin Street....	Mary A. Eaton.....	38	29	76	9 00
Main Street.....	Louise H. Savage.....	70	55	78	9 00
Union Street....	Etta L. Davenport.....	85	75	88	9 00
Third Street.....	Mary Stewart.....	57	50	88	9 00
Union Square....	Ella M. Robinson.....	44	36	82	9 00
Pond Street.....	Frances J. Gould.....	70	55	78	9 00
West Bangor.....	Carrie B. Tibbets.....	33	28	85	9 00
Thomas' Hill.....	Hattie L. Mosher.....	34	29	85	9 00
Bower Street....	Laura J. Sargent.....	41	32	78	9 00
Main Street.....	Mabel L. Dealing, Assistant...				6 50
Union Street....	Gertrude Simpson ".....				6 50
Third Street.....	Annie Whiting ".....				5 50
Abbott Square....	Addie P. Cobb ".....				5 50
Grove Street....	Clara R. Wood ".....				6 50
Pearl Street.....	Minnie E. McCarthy ".....				6 50
Salem Court.....	Lelia A. Kittridge.....				6 50
York Street.....	Mary A. Holden.....				6 50
Pond Street.....	Mary E. Gould.....				5 50

## TABULAR VIEW—Continued.

## PRIMARY SCHOOLS.

Where Located.	Teacher's Name.	Number Registered.	Average Attendance.	Per cent. of Attendance.	Wages per week.
<b>Winter Term—10 Weeks.</b>					
State Street.....	Fannie E. Titcomb.....	37	27	73	\$ 9 00
Abbott Square...	Ida M. Stewart.....	60	48	80	9 00
Division Street...	Vesta M. Nash.....	30	21	70	9 00
Center Street.....	Anna M. Lander.....	59	48	81	9 00
Grove Street.....	Miriam S. Cates.....	65	57	88	9 00
Forest Avenue...	Mary E. Garman.....	38	30	79	9 00
Salem Court.....	Mary R. Spratt.....	65	55	85	9 00
Pearl Street.....	Sara M. Prescott.....	61	42	69	9 00
York Street.....	Alice M. Lawrence.....	69	62	90	9 00
York Street.....	Mary L. Conroy.....	40	33	82	9 00
City Farm.....	Lucy H. Crosby.....	25	21	84	9 00
Larkin Street.....	Mary A. Eaton.....	29	26	83	9 00
Main Street.....	Louise H. Savage.....	62	52	84	9 00
Union Street.....	Etta L. Davenport.....	99	81	82	9 00
Union Square....	Ella M. Robinson.....	43	36	81	9 00
Third Street.....	Mary Stewart.....	56	45	80	9 00
Pond Street.....	Frances J. Gould.....	62	54	87	9 00
West Bangor.....	Carrie B. Tibbetts.....	31	25	80	9 00
Thomas' Hill....	Hattie L. Mosher.....	33	28	85	9 00
Bower Street.....	Laura J. Sargent.....	35	32	91	9 00
Union Street.....	Gertrude Simpson, Assistant.				6 50
Main Street.....	Mabel Dealing, "				6 50
Third Street.....	Annie Whiting, "				5 50
Pond Street.....	Mary E. Gould, "				5 50
Abbott Square....	Addie P. Cobb, "				5 50
Grove Street.....	Clara R. Wood, "				6 50
Pearl Street.....	Minnie E. McCarthy, "				6 50
Salem Court.....	Lelia A. Kittridge, "				6 50
York Street.....	Mary A. Holden, "				6 50

# TABULAR VIEW—Continued.

## SUBURBAN SCHOOLS.

Where Located.	Teacher's Name.	Number Registered.	Average Attendance.	Per cent. of Attendance.	Salary per week.
<b>Summer Term—10 Weeks.</b>					
Mt. Hope District.	Hattie W. Spratt. ....	27	21	77	\$ 7 50
Stillwater Ave....	May H. Crawford.....	24	16	67	7 50
Bagley District...	Clara E. Sawyer.....	16	14	87	6 50
Hill Side District.	Mabel Martin.....	29	25	86	6 50
Sherburn District.	Mary E. Lee.....	26	17	66	7 50
Six Mile Falls....	Margaret E. Lee.....	15	14	93	6 50
Finson District...	Lurana S. Bailey.....	10	8	80	6 50
Central District...	Jennie A. Sewall.....	40	33	82	8 00
North Bangor....	Joanna S. Eveleth.....	36	28	77	8 00
Avenue District...	Nina E. Thompson.....	13	12	92	6 50
Fuller District...	Mabel S. Dealing.....	9	6	64	6 50
Tyler District....	Annie M. Reed.....	14	11	78	7 50
Odlin District....	Nellie F. McCarthy.....	17	12	71	6 50
<b>Fall Term—10 Weeks.</b>					
Mt. Hope District.	Hattie W. Spratt.....	26	21	81	7 50
Stillwater Avenue	Kate M. Allamby.....	27	20	74	7 50
Bagley District...	Annie M. Reed.....	12	9	75	6 50
Hill Side.....	Mabel Martin.....	20	16	80	6 50
Sherburn District.	Hattie M. Towle.....	28	25	89	8 00
Six Mile Falls....	Margaret E. Lee.....	21	17	81	6 50
Finson District...	Lurana S. Bailey.....	10	8	80	6 50
Central District...	Jennie A. Sewall.....	46	38	83	8 00
North Bangor....	Flora M. Shepherd.....	39	35	90	8 00
Avenue District...	Grace H. Smith.....	15	13	80	6 50
Fuller District....	May H. Crawford. ....	6	4	67	6 50
Tyler District....	Clara E. Sawyer.....	17	13	77	7 50
Odlin District....	Nellie F. McCarthy.....	13	10	77	6 50
<b>Winter Term—10 Weeks.</b>					
Mt. Hope District.	Hattie W. Spratt.....	24	21	87	7 50
Stillwater Avenue	Viola B. Kincaid.....	23	17	74	7 50
Bagley District...	Lizzie M. Towle.....	14	12	86	6 50
Hill Side.....	Mabel Martin.....	18	14	71	6 50
Sherburn District.	Hattie M. Towle.....	22	19	86	10 00
Six Mile Falls....	Margaret E. Lee.....	13	12	92	6 50
Finson District...	Lurana S. Bailey.....	13	11	84	6 50
Central District...	Heman W. Griffin.....	50	41	82	12 00
North Bangor....	Flora M. Shepherd....	45	41	91	10 00
Avenue District...	Grace H. Smith.....	16	13	81	6 50
Fuller District....	Agnes M. Mullany.....	5	3	60	6 50
Tyler District....	Clara E. Sawyer.....	14	12	86	7 50
Odlin District....	Nellie F. McCarthy.....	11	9	82	6 50
Central District...	Alice M. Davis, assistant.				4 00
North Bangor....	Alice L. Clark, " "				4 00

# COURSE OF STUDY

OF THE

## PUBLIC SCHOOLS OF THE CITY OF BANGOR.

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### PRIMARY SCHOOLS.

**FIRST YEAR**—Reading and Spelling. Monroe's Primer.

**SECOND YEAR**—Monroe's First Reader.

**THIRD YEAR**—Monroe's Second Reader, also Butler's First Reader, if needed, and Swinton's Supplemental. Hooker's Child's Book of Common Things. Swinton's Spelling Book.

*Printing and Drawing.*—The pupils should be taught to draw straight and curved lines, and to combine them in the letters of the alphabet and simple geometric forms. Copies should be placed upon the blackboard by the teachers. The first class is required to practice scrip writing.

*Arithmetic.*—White's Primary Arithmetic. Frequent use of objects is recommended as an assistance in conveying an idea of the relation of numbers.

*Vocal Music.*—National Music Charts.

*Object Lessons.*—An exercise each day. Sheldon's Lessons on Objects and Sheldon's Elementary Instruction are recommended as guides to teachers.

*In Second Class.*—Finish Second Reader. Commence Hooker in the second term, and read thirteen chapters. Complete six months' work in the Speller. Through Subtraction in the Arithmetic.

*First Class.*—Finish first year's work in Spelling within the year.

#### FIRST TERM.

Hooker to 25th Chapter, inclusive. Arithmetic, Multiplication. Products not to exceed seven figures.

#### SECOND TERM.

Hooker to 34th Chapter, inclusive. Arithmetic, Division.

#### THIRD TERM.

Complete Hooker and review Arithmetic.

### INTERMEDIATE SCHOOLS.

*Reading and Spelling*—*First Class.*—Lippincott's Third Reader.

*Second Class*—Monroe's Third Reader and Book of Tales. Swinton's Primary Spelling Book.

*Writing.*—Revised Duntonian.



*Drawing*.—Exercises in simple geometric forms, from copies placed upon the blackboard by the teacher.

*Vocal Music*.—National Music Charts. The use of Music Reader is permitted.

*Object Lessons*.—An exercise four times a week. Sheldon's Lessons on Objects, and Sheldon's Elementary Instruction are recommended as guides to teachers.

*Arithmetic*.—White's Intermediate, and Thomson's Intellectual.

*Geography*.—Warren's Primary.

*In Second Class*.—Third Reader unlimited. Six months' work of second year in the Speller.

*Arithmetic*.—First Term.—Notation and Numeration, with review of Addition and Subtraction.

Second Term.—Multiplication and review.

Third Term.—Long Division to two figures in division and review.

*Geography*.—First Term.—Fifteen pages.

Second Term.—Sixteenth page to thirty-third, inclusive.

Third Term.—Thirty-fourth to forty-first, inclusive.

*In First Class*.—Finish Reader and Speller, and finish Long Division and review, with use of Thomson's Intellectual Arithmetic.

*Geography*.—First Term.—Finish United States and Territories.

Second Term.—South America, Europe and Asia.

Third Term.—Finish book and review.

#### GRAMMAR SCHOOLS—Course of four years.

##### FIRST YEAR.

*Spelling*.—Harrington's Speller.

*Writing*.—Duntonian System.

*English Language*.

*Geography*.—Warren's Brief Course.

*Vocal Music*.

*Arithmetic*.—White's Complete, and Thomson's Intellectual.

*Oral Instruction*.—Lectures by masters on studies pursued.

*Reading*.—Lippincott's Fourth Reader.

*Natural Science*.—Hooker's Child's Book of Nature, Part I.

##### SECOND YEAR.

*Reading*.—Monroe's Fourth Reader.

*Spelling*.—Harrington's Speller.

*Writing*.—Duntonian System.

*English Language*.

*Oral Instruction*.—Lectures by masters on studies pursued.

*Geography*.—Warren's Brief Course.

*Vocal Music*.

*Arithmetic.*—White's Complete, and Thomson's Intellectual.

*Natural Science.*—Hooker's Child's Book of Nature, Part II.

THIRD YEAR.

*Reading.*—Lippincott's Fifth Reader.

*Spelling.*—Harrington's Speller.

*Grammar.*—Swinton's New English Grammar.

*Composition.*

*Arithmetic.*—White's Complete.

*United States History.*—Barnes.

*Geography.*—Warren's Brief Course continued.

*Writing and Declamation.*

*Oral Instruction.*—Lectures by masters on studies pursued, including General History and Mechanics.

*Natural Science.*—Hooker's Child's Book of Nature, Part III.

FOURTH YEAR.

*Reading.*—Monroe's Fifth Reader.

*Grammar and Composition.*—Continued.

*Physiology and Hygiene.*—Baisdell's "Our Bodies, and How we live."

*Book-keeping and Writing.*—Meservey's Single Entry.

*Arithmetic.*—White's Complete.

*Spelling and Word Analysis.*—Continued.

*History.*—Reviewed, with composition on kindred subjects.

*Oral Instruction.*—Lectures by masters on studies of the year, including Science of Government, Commerce and Manufacture.

*Declamation and Vocal Music.*

*Geography.*—Reviewed.

## Course of Study--Bangor High School.

		Classical and English.	English Department.
FIRST YEAR.	First Term Fall.	Algebra. Natural Philosophy. Maine Scholar's Manual. English Composition—Read'g. Latin (Grammar and Reader).	Algebra. Natural Philosophy. Maine Scholar's Manual. English Composition—Read'g. Physical Geography.
	Second Term Winter.	Algebra. Natural Philosophy. Maine Scholar's Manual. English Composition—Read'g. Latin (Grammar and Reader).	Algebra. Natural Philosophy. Maine Scholar's Manual. English Composition—Read'g. Physical Geography.
	Third Term Summer.	Algebra. Natural Philosophy. Richardson's Ten'ce Lessons. English Composition. Latin (Grammar and Reader).	Algebra. Natural Philosophy. Richardson's Ten'ce Lessons. English Composition. Physical Geography.
SECOND YEAR.	First Term Fall.	Geometry. Latin (Cæsar). General History. *Greek. English Composition.	Geometry. Natural History. *General History. English Composition.
	Second Term Winter.	Geometry. Latin (Cæsar). General History. *Greek. English Composition.	Geometry. Natural History. *General History. English Composition.
	Third Term Summer.	Botany. Latin (Cæsar). General History. *Greek. English Composition.	Botany. Natural History. *General History. English Composition.
THIRD YEAR.	First Term Fall.	Geology. French or German. Latin (Virgil). Rhetoric. Greek. Arithmetic.	Geology. French or German. American Literature. Rhetoric. Arithmetic.
	Second Term Winter.	Science of Government. French or German. Latin (Virgil). Rhetoric. Greek. Arithmetic.	Science of Government. French or German. American Literature. Rhetoric. Arithmetic.
	Third Term Summer.	Science of Government. French or German. Latin (Virgil). Rhetoric. Arithmetic.	Science of Government. French or German. American Literature. Rhetoric. Arithmetic.
FOURTH YEAR.	First Term Fall.	English Literature. Rhetoric. French or German. Latin (Cicero). Greek. Arithmetic.	English Literature. Rhetoric. French or German. Astronomy. Arithmetic.
	Second Term Winter.	English Literature. Rhetoric. French or German. Latin (Horace). Greek. Arithmetic.	English Literature. Rhetoric. French or German. Astronomy. Arithmetic.
	Third Term Summer.	English Literature. Rhetoric. French or German. Latin (Horace). Greek. Arithmetic.	English Literature. Rhetoric. French or German. Mental Philosophy. Arithmetic.

\*NOTE—CLASSICAL COURSE Pupils preparing for College take all the branches of the Classical and English Course during the first year. At the beginning of the second year they commence Greek, and after this, besides Latin, Greek and Mathematics, requisite for admission to College, they are required to take only History and Ancient Geography.

Only those pupils who take all the prescribed studies of either course are entitled to receive a Diploma.

## GENERAL EXERCISES BY ALL THE SCHOOL.

1. Exercises in Reading and Elocution once a week throughout each course.

2. Exercises in Composition every two weeks.

## TEXT BOOKS AUTHORIZED.

*Latin*.—Allen & Greenough's Latin Grammar. Leighton's Latin Lessons. Jones' Latin Prose Composition. Allen & Greenough's Caesar, Cicero and Horace. Frieze's Virgil. Allen & Greenough's Ovid.

*Greek*.—Goodwin's Anabasis. Leighton's Greek Lessons. Keep's Homer's Iliad. Jones' Greek Prose Composition.

*Science*.—Steele's Physics. Gray's Object Lessons in Botany. Hooker's Natural History. Steele's Geology. Steele's Astronomy. Hopkins' Mental Philosophy. Guyot's Physical Geography. Richardson's Lectures on Alcohol. Maine Scholar's Manual.

*Mathematics*.—Wentworth's Elementary Algebra. Wentworth's Geometry. White's Arithmetic.

*English Language*.—Underwood's English Literature. Hill's Rhetoric. Chittenden's Exercises in Composition. Underwood's American Literature. Hudson's Literary Reader. Young's Government Class Book.

*History and Geography*.—Barnes' General History. Mitchell's Ancient Geography and Atlas. Baird's Ancient Geography and Mythology.

*French*.—Langellier and Mousanto's French Grammar. Williams' English into French. Les Princes de l'Art. La Petite Fadette. Picciola. Un Philosophe sous les Toits. Notes sur l'Angleterre. Sauveur's Causeries.

*German*.—Otto's Practical Conversation, with charts. Hans Andersen's Ausgewählte Maerchen. German Echo, Selections of German Poetry and Literature.

EXTRACTS  
FROM THE  
**REGULATIONS OF THE PUBLIC SCHOOLS**  
**CITY OF BANGOR.**

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**DUTIES OF THE TEACHERS.**

*School Hours.*—The teachers are required to observe the school hours punctually, and to discharge to the best of their ability, the daily duties of instruction and discipline.

*Moral Influence.*—They should exercise a diligent guardianship over the deportment and character of those entrusted to their care, and endeavor to inculcate principles of kindness, truthfulness, purity, industry, frugality and temperance.

*Responsibility outside of the School-room.*—They shall have in charge the conduct of their scholars during recess, and while within the school grounds.

*Ventilation.*—They shall see that the school-rooms are properly ventilated, the windows being thrown open during *recess* and the time allotted to physical exercises, and that the temperature is maintained at a proper standard.

*Care of Buildings and Grounds.*—They shall exercise a general supervision over the rooms, entries, grounds and out-buildings of their several schools, reporting to the Agent any damage or defacement which they may sustain.

*Discipline.*—IN THE DISCIPLINE OF THEIR SCHOOLS, THEY SHOULD ENDEAVOR TO AVOID ALL IRRITATING LANGUAGE, AND ALL HARSH AND IMPROPER PUNISHMENTS.

*Record of Cases of Punishment.*—They shall keep a record of all the cases of corporal punishment occurring in their several schools, stating in full the date of the occurrence of each case, together with the name of the pupil, the offense, and the nature of

the punishment inflicted; and they shall make a return of the record to the Committee with each school-register; and the Agent shall furnish the necessary blanks for the records required.

*Suspension of Pupils.*—In case of the suspension or dismissal of any scholar for breach of discipline, or the withdrawal of any scholar from school while under censure for misconduct, the teacher shall give immediate notice to the parent or guardian of the scholar, and to the Agent.

*Time of Opening the rooms.*—All the school-rooms should be open and the teachers present, fifteen minutes before the time prescribed for the commencement of each session.

*Deficiency of Books.*—Whenever a scholar is not furnished with suitable books, proper notice should be given by the teacher, first to the parent or guardian of such scholar, and afterward to the Agent.

*Register.*—All the teachers are required to keep a school register, containing the names of all scholars and such other facts as may be required. The register shall be open at all times to the inspection of the Committee, and a return of the same shall be made to the Committee when required.

*Vacancy.*—When a vacancy occurs in any school by reason of sickness or absence of any teacher, the teacher shall at once notify the Committee of the school, or School Agent, and said Committee or Agent shall fill the vacancy.

*Notice of Intended Resignation.*—Should any teacher wish to resign, one month's notice of the intended resignation should be given to the Agent.

#### REGULATIONS OF THE SCHOOLS.

*Classification.*—The annual schools shall be classified as Suburban, Primary, Intermediate, Ungraded, Grammar and High schools.

*Special Schools.*—The Committee may, at any time, establish other schools, aside from the above grades, if the interest of education seems to demand it.

*General Exercises.*—In all schools the exercises shall commence every morning with reading from the Scriptures by the

teacher or the pupils, or both, which may be followed by prayer or singing, at the discretion of the teacher.

*Omission of Studies.*—No pupil of any school shall be excused from any study or exercise of the regular course, until special permission has been granted by the Committee of the school.

*Number of Classes.*—In each grade above the Primary, there shall be as many classes as there are years allotted to the grade in the prescribed course, and no irregular classes shall be formed; and all scholars, who, from inconstant attendance, want of application to their studies, or other cause, shall fail to maintain a fair standing in their class or grade, shall be placed in the class or grade next below, or to the ungraded school.

*Tardiness and Absence.*—For tardiness or absence, the teacher shall require a written excuse from the parent or guardian, and in default of it, may inflict such penalty as may be approved by the Committee of the school.

*Absence Three Half-Days.*—If a scholar is absent *three half-days* in any one month, the teacher may require the excuse to be signed by the Committee of the school.

*Absence Five Half-Days.*—A scholar who is absent from school *five successive half-days*, or from the examination, without a good excuse, or withdraws from the school, cannot be admitted to his class until he has obtained a written permission from the Committee of the school or from the Agent, and made up the lost lessons to the satisfaction of the teacher.

This rule does not apply to the Primary and Intermediate schools.

*Admission after Suspension.*—A scholar temporarily dismissed by the teacher for insubordination, may be forbidden to return to the school without the written consent of the Agent of the Committee of the school.

For any act of marked disobedience or contempt, the teacher may require such consent to be signed by a majority of the Committee. But under no circumstances is any teacher authorized to expel a pupil.

*Advertising.*—No subscription of money, or advertising of books, public lectures or shows, shall be allowed in any school, or upon any school grounds.

*Examination.*—The annual examinations of all the schools shall take place as near the close of the school year as may be convenient.

*Diplomas.*—Diplomas shall be awarded by the Committee at the annual examination, to such members of the graduating class of the High School as have honorably completed the prescribed course of study, and passed a satisfactory examination. Also certificates, under similar conditions, shall be given to graduates from the Grammar schools.

*Rule for Promotion and Graduation.*—An average of scholarship of sixty-five per cent. in a scale of one hundred, in all the studies pursued, and not less than forty-five per cent. in each, is required to entitle a scholar to promotion in the High School; and an average of sixty per cent. in a scale of one hundred in all the studies pursued, and not less than forty per cent., in each, is required to entitle a scholar to promotion or graduation in the Grammar and Intermediate Schools.

No scholar can be transferred from one school to another while under censure.

*Admission at Irregular Times.*—Applicants for admission to the annual schools after the commencement of the year, shall be examined and admitted to such schools as they may be found qualified to enter.

*Suitable Age—Vaccination.*—No child who is under the age of five years, or who has not been vaccinated, is entitled to attend any public school.

*Sessions.*—There will be one session of the High School each day of the term, continuing from half past eight A. M. till one o'clock P. M.

There shall be two sessions of all the schools below the High School each day of the term, continuing from nine till twelve A. M., and from two till five P. M., from February to October inclusive;



and from nine till twelve A. M., and from two till four P. M., from November to January inclusive.

*Recesses.*—One recess, not exceeding twenty minutes in length, shall be given each session.

In the High School such additional short recesses shall be given as the Committee may deem expedient.

In the Primary Schools, instead of one recess, there may be two recesses of ten minutes each.

*Terms.*—For all the schools there shall be three terms each year, as follows, unless otherwise ordered: Fall, Winter and Summer. The terms of Suburban schools shall be ten weeks each.

*Holidays.*—The sessions of the schools shall be suspended Wednesday and Saturday afternoons; also during two weeks including Christmas Day and New Year's Day; also on Washington's Birthday, Fast Day, Memorial Day, and Thanksgiving Day. The Suburban schools shall hold a session Wednesday afternoon instead of Saturday forenoon.

With the above exceptions, the regular sessions of each school shall be held every week-day of the term, unless suspended by special permission of the Committee.

No other text books than those authorized by the Committee, shall be introduced into the schools.

All matters of complaint against teachers, or grievances on account of the conduct and discipline of the schools, should be referred to the Agent or Committee of the school, if below the Grammar School, or to the Principal, Agent or Committee if above, and no parent or guardian will be permitted to interrupt a school in its sessions or bring any teacher to a personal account during school hours.

## Instructions to Teachers in Regard to Contagious Diseases.

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### MUMPS.

This is a contagious disease, and occurs chiefly in childhood, youth and early manhood. About *twelve days* after the child has been exposed to mumps, he will begin to complain of tenderness in the depression immediately under the lobule of the ear, and this will be followed by swelling in the same place. This swelling is firm, but slightly elastic, and presses the lobule of the ear outward. It gradually increases for a few days, then remains stationary a short time, and then declines. The total duration of the disease is from *eight to ten days*. In most cases the swelling occurs on both sides. If only one side has been affected, the disease may occur at some subsequent period. The *left* side is usually the first affected. As it requires *twelve days* from the time of exposure before the disease manifests itself, all the children from the family where the disease exists should remain from school at least *two weeks* after the disease has disappeared, unless the first one who takes it is at once entirely separated from the others.

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### WHOOPING COUGH.—“CHIN COUGH.”

This disease is highly contagious. Most cases occur between the ages of one year and eight years, but it occasionally occurs in adult, and even old people who have not been attacked previously. It is in nearly all instances, if not in all, contracted by inhaling the breath of the patient, and is not, so far as I can learn, ever carried by a third person.

Hence, only those who actually have the disease need be kept out of school. This disease usually lasts from *two to three* months. It comes on in about *ten days* after exposure. As the breath is the great source of contagion, children should not be allowed to return to school until they are entirely free from the spasmodic cough.

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#### CHICKEN-POX.

This is the shortest and mildest of eruptive fevers. It is highly contagious, so that few children escape who are exposed to it. The disease begins about *fifteen* or *seventeen* days after exposure. As it lasts only *one week* usually, and never of itself endangers life, nor seriously incommodes the patient, it is not necessary to exclude from school any except those actually having the disease.

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#### MEASLES.

This disease is highly contagious, usually through the air; though it may also be communicated by the breath, and has sometimes been carried long distances upon articles of clothing, and thus given to others. From *twelve* to *fourteen days* elapse from the time of exposure to the commencement of the eruption. This eruption usually begins upon the forehead and neck, then the face, and then goes over the body. The fever reaches its height about the sixth or seventh day. The whole course of the disease is about *two weeks*.

Children who have measles, and those in a family where measles has appeared, should not be allowed to return to school until *two weeks* after the rash has disappeared.

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#### SCARLET FEVER.

Other common names for this disease are, Scarlatina,

Scarlet Rash, Scarlet Fever and Canker Rash, but they all mean the same disease.

This is one of the most frequent and fatal of the contagious diseases. It occurs most frequently between the ages of three years and ten years. Most adults possess immunity from Scarlet Fever, although they may not have had it in childhood. The disease usually manifests itself from *three* to *eight* days after exposure to it, though it has been known to begin in twenty-four hours. It presents in a marked degree the distinguishing of the infectious maladies. It is highly contagious. It is disseminated by exposure to patients and may be carried by clothing. The virus of Scarlet Fever possesses such remarkable vitality that it may remain about a room or be carried by clothing for many months. Therefore particular care should be taken about disinfecting the rooms in which patients have been sick with Scarlet Fever, and all articles of clothing that may, by any possibility, have been exposed to contagion, before children should be allowed to return to school.

As the distance to which the disease is contagious is short, probably not more than two or three yards, it is often possible to limit it by isolating the child first attacked and allowing no communication with the nurse. In this way the other children often escape. A convalescent child should not be allowed to mingle with other children till *three* or *four weeks* have elapsed, and then only when the room where he was sick and all clothing that has been in it or upon him, has been thoroughly disinfected. But if the sick one be properly isolated, or the others of the family be sent immediately to another house to live for the time he is sick, those who are well may, after three or four days, be allowed to return to school.

**DIPHTHERIA.**

Although the disease has been known to physicians for many centuries, it is only within a comparatively short time that it has been considered to be contagious. It may be imparted to others by a person actually, or lately suffering from it. It may also be carried by a person not actually affected by it. The germs of this disease seem to have an especial affinity for the walls of rooms, and may attach themselves to clothing and articles of furniture. They may also enter the system through the air, through the food, and through the drinking water. The disease usually begins in from *two* to *eight* days after exposure, but sometimes the germs remain about the person for weeks before the complaint makes its appearance. It most often occurs between the ages of one year and fifteen years. In a majority of cases one attack is a protection against future recurrence. As soon as a case of Diphtheria occurs in a family all the children of that family should be at once excluded from school, and none should be allowed to return until *two weeks* after the membrane has disappeared from the throat, and then only after a thorough disinfection of the house and the clothing. It is a good plan for those who have been exposed to Diphtheria, to gargle the throat occasionally with a solution of carbolic acid and lime-water, of a strength of twenty drops to the ounce.

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**DISINFECTION.**

One of the readiest and most efficient means of disinfecting a room in which an infectious disease has occurred, is to burn in it half a pound of Sulphur, and leave the smoke in it for twenty-four hours, having the doors and windows closed. Then, if possible, the room should be thoroughly cleaned, and newly papered and white-washed. Articles that have

been used about the patient, such as sheets, etc., should be soaked in a solution of 8 ounces of sulphate of zinc, 1 ounce of carbolic acid and 3 gallons of water, before being boiled and washed. Articles that cannot be washed should be sprayed with a solution of carbolic acid, one part to forty.



NOTES ON  
STIMULANTS AND NARCOTICS.

PREPARED FOR THE USE OF  
TEACHERS OF THE PUBLIC SCHOOLS OF BANGOR,

— BY —

D. A. ROBINSON, M. D.





## **STIMULANTS AND NARCOTICS.**

Stimulants are drugs that cause excitement and activity in various organs and tissues of the body. In medicine stimulants are defined as agents which by their direct action tend to rectify some deficient or excessive natural action or tendency. Hence they are used for the relief of pain, to produce healthy sleep, to support the system in absence of ordinary food, etc. After true stimulation there is no depression.

Ammonia, Valerian, Pepper are stimulants.

Narcotics are agents whose action is stupefying or deadening. They act by poisoning the blood supply through the nervous system; by thus depriving the blood of its vitality they tend to cause death.

They are sometimes called sedatives.

Aconite, Tobacco, Hellebore are Narcotics.

There is a large class of medicines that are stimulants when taken in small doses; but when taken in large doses are narcotics. These are called stimulant-narcotics.

Alcohol, Ether, Opium, Cannabis Indica ("Hashish"), are samples of stimulant-narcotics.

The stimulant-narcotics are the most important and numerous of these three classes of drugs, and are the ones of especial interest to us from the evils that result from their careless use and abuse.

Alcohol is made from sugar by fermentation. It may be made from any substance that contains starch; as corn, rye, potatoes, etc. The starch is changed into sugar, and the sugar breaks up into carbonic acid and alcohol. Alcohol is a clear, colorless liquid, with a penetrating odor and burning taste. It burns with a pale, bluish flame, giving little light but great heat. It is lighter than water, and cannot be easily

frozen. Some kind of stimulating drink is in use in nearly every nation on the globe ; but, by whatever name it is called the agent that produces the intoxicating effect of these beverages is alcohol.

In Europe and America, wine, spirits and beer ; also cider made from apples and perry made from pears ; the Russians and Poles use the vodka made from potatoes.

Thus we find the leading drinks of the world to be as follows :

In Asia the Hindoos use Arrack made from Rice.

“ “ “ Chinese “ Samshov “ “ “ .

“ “ “ Japanese “ Saki “ “ “

“ “ “ Tartars “ Koumiss “ “ Mare's Milk.

“ Africa the Negroes use Palm Wine made from the Palm.

“ Central America they use Rum made from Sugar-Cane.

“ Mexico they use Pulque made from Agave.

“ In Peru they use Chica made from Maize.

Physiological effects of alcohol upon the Stomach :

The first sensation noticed after taking a small dose of alcohol, is a feeling of warmth in the stomach. The alcohol stimulates the glands of the stomach, causing an increased flow of gastric juice, just as a drop of any hot liquid placed in the eye causes a sensation of burning and an increased flow of tears. If the use of alcohol be continued for some time it so irritates the glands of the stomach that they become enlarged and thickened and produce too much secretion, causing what is called a catarrh of the stomach. After a time, if the use of alcohol be persisted in, the glands gradually shrink in size and lose their activity, until not enough gastric juice is produced to digest the food. This condition is called dyspepsia, or painful digestion, and is almost certain to befall those who are in the habit of using alcohol as a drink. If a large dose of alcohol be taken, the effect is to paralyze for a

time the action of the stomach, and to cause the pepsin of the gastric juice to become precipitated, thus rendering it useless for the purpose of digestion. Hence the nausea and vomiting that usually follows after a free indulgence in alcoholic drinks.

Effect upon the Bloodvessels :

The warm glow felt in the stomach after taking a dose of alcohol is soon felt all over the body. The cheeks become reddened, and we say the person is "flushed with liquor." This effect is caused by a partial paralysis of the nerves that control the size of the bloodvessels, and so the arteries and veins become more widely distended and let the blood flow more readily through them. The same flush that is seen upon the cheek would be seen upon other organs of the body, the stomach, the liver, the kidneys, the lungs, the brain, if we could see them at such a time. After a time, in persons accustomed to the use of alcohol, these changes become permanent, and the bloom upon the nose of the old toper is but the sign of the long continued effect of alcohol upon the bloodvessels.

Effect upon the blood :

The blood itself is also deteriorated by the use of alcohol. The little red bodies called corpuscles, which give the color to the blood, and which carry the purifying materials to every part of the body, become notched at the edges and shrunken, and so the blood is less fitted for performing its important task of building anew the tissues and removing the products of waste.

Effects upon the heart:

The next effect noticed, is increased action of the heart after alcohol has been taken. In order to test the action of alcohol upon the heart the following experiment was tried : A young and healthy adult man was given his ordinary food to eat and

only water to drink ; and his pulse was counted every hour during the day for a week or more. It was found that the average number of beats for 24 hours was about 106,000. Then the same man was again given the same food for the same length of time, but was also given alcohol, in the form of brandy, to drink. It was thus found that with 1 oz. of alcohol the heart beat 430 times more during the day than when only water was taken ; and that with every additional ounce that was taken there was a great increase in the rapidity of the pulse, so that at the last when 8 oz. were given the heart beat 25,488 times more than when only water was taken. Thus the heart was doing about one-fifth more work in a day when 8 oz. of alcohol was taken, than when only water was used.

It is as if a man who was working 10 hours a day should have his day's work increased to 12 hours. We can thus realize the great amount of extra work that is thrown upon the heart by the use of alcohol. Little wonder is it that after the labor imposed upon it by the use of alcohol the heart should flag ; still less the cause for surprise that the brain and muscles which depend upon the heart for their blood supply, should be languid for many hours, and should need the rest of a long sleep for renovation after a debauch. It is hard physical work to fight against alcohol. Hence disease of the heart is common among those who habitually use alcoholic drinks. The heart being merely a large muscle, becomes gradually worn out by over work, and weakened by fatty taking the place of muscular tissue, and often some slight cause, which ordinarily would not be felt, is enough to render the person a chronic invalid, if it does not cause sudden death.

Effects upon the Lungs :

The lungs, as well as other organs of the body are liable

to be injured by the use of alcohol. There is a form of consumption sometimes produced by the habitual use of alcohol that is almost surely fatal. It does not seem to occur so often in drunkards as in those who, while they drink a good deal, yet keep short of intoxication. They seem to be in perfect health, and are lured on in the belief that they can drink as much as they like without being injured. They are too often made to realize their danger only when a cure is impossible.

#### Effects upon the Liver :

The organ of the body most frequently injured by the use of alcohol is the liver. As in poisoning by arsenic, strychnine and other such drugs, it is found that the liver is the place where they are mostly deposited, so it is with alcohol. The liver of the confirmed drunkard is probably never entirely free from its influence, and is often fairly saturated with it. The action of alcohol upon the liver is similar to its action upon the stomach. It first becomes enlarged and its activity is increased and then it becomes shrunken, hardened and roughened and its action is perverted and decreased. It, in some cases, looks as if it had been driven full of round-headed nails. Hence it received the name of "hobnailed liver," or "gin-drinker's liver."

#### Effects upon the Kidneys :

The kidneys suffer in very much the same way as the liver, and the gradual changes in these organs produced by the use of alcohol gives rise to the symptoms commonly known by the name of Bright's Disease. Of course other causes may, and often do, produce this disease, but in the majority of cases it is due to the habitual use of alcohol.

#### Effects upon the Nervous System :

The first effect of alcohol upon the nervous system is the same as upon other parts of the body, that is, it increases the functional activity of the brain. The bloodvessels of the brain

become more dilated and more blood passes through. This causes the brain to become more active ; ideas flow more easily, the senses become more acute, and muscular movements are more active. As the action of alcohol upon the brain increases the excitement becomes disorderly, the ideas incoherent and rambling, the will loses its control, and the higher faculties, the moral sense and judgment, lose their restraining influences, and give way to the lower animal impulses, and the muscular movements become uncontrolled and irregular. If an excessive quantity be taken the functions of the brain are suspended and complete unconsciousness ensues ; the person becomes "dead drunk." By this increased flow of blood through the brain, and by the contact of alcohol with the brain substance, important changes are gradually brought about in the brain. The cells of the gray matter become fatty and shrunken, and as a result there is a shrinking of the whole cerebrum. A proof of such changes may be observed in the loss of mental power, the muscular trembling and shambling gait of the drunkard.

The diseases produced by the long-continued action of alcohol on the nervous system are, delirium tremens, epilepsy, paralysis, sometimes blindness, and often insanity ; and by the over-distension of the bloodvessels they gradually become thinned and weakened, and often burst, causing death by apoplexy.

#### Effects upon the Muscles :

The effect of alcohol upon the muscles is to gradually change the muscular into fatty tissue ; so that although those who take alcoholic drinks habitually seem to be healthy, and increase in size and weight, yet the change is really a degeneration, for all through the body fatty tissue takes the place of muscle, leaving the body weak and flabby, and hence much more liable to disease and injury.

I have not mentioned the conditions of the system that may be benefitted by alcohol, because that belongs to the duty of the physician, and alcohol like other dangerous drugs, such as arsenic, strychnine, opium, etc., should never be taken except upon the advice and under the direction of a competent and conscientious physician ; for with the majority of men the temptation to extend the use of it beyond what is beneficial is too great to be easily overcome. It is a dangerous instrument, even in the hands of the strong and wise, a murderous instrument in the hands of the foolish and weak.

#### TOBACCO.

When Columbus and his followers landed in Cuba, in 1492, they were much astonished to find the natives smoking. Very soon this practice spread to the Old World. Why it should be so readily adopted it is difficult to say, for nearly every one who attempts to use tobacco is made distressingly sick at first, and after they have become accustomed to its use and find it so hard to do without it, generally wish they had never learned to use it. The principal constituents of tobacco smoke are, water, carbon, ammonia, carbonic acid, carbonic oxide, nicotine, and a bitter extract.

The water is of course harmless. The carbon, which is given off in the form of soot, is what discolors the teeth and the secretions of the bronchial tubes. The ammonia is what bites the tongue, makes the throat dry, and causes so much spitting. The carbonic acid has a tendency to produce sleepiness, headache, etc. The carbonic oxide is a very active and poisonous agent, and when present in any amount produces drowsiness, irregular movements of the heart, and vomiting. It is the same gas that causes the blue flame seen playing over a coal fire. The nicotine is the active principle of the tobacco, and is a deadly poison when taken into the stomach, even in small quantities. It is what produces the



palpitation of the heart so often seen in those who use tobacco to excess. It also will produce tremor of the muscles. But after long usage the system becomes accustomed to this, as it will to arsenic and other poisons, and so is not so much affected by it as at first. The bitter extract is the substance which causes the nauseous, sharp taste, that so quickly produces vomiting in those unaccustomed to tobacco. While tobacco, when used with careful moderation by healthy adults, seems to be a harmless luxury, yet it is so universally used to excess, especially by the young, that the evils likely to arise from its use should be impressed upon all. It lessens the desire for food, and decreases the amount of gastric juice secreted by the stomach, hence, those who use it to excess are very often found to have dyspepsia. This effect is most strikingly shown in young persons. For their stomach soon becomes deranged, consequently the body is badly nourished, and they become of a sallow complexion, stunted in growth, with flabby muscles and prematurely old.

Smokers are very apt to be troubled with sore throat, and with an irregular action of the heart. Cancer of the lip is often caused especially by using a short-stemmed clay pipe. Persons with a tendency to consumption should avoid the use of tobacco entirely. Smoking is much more likely to be injurious when the stomach is empty than when food has lately been taken.

#### TEA.

Tea contains a vegetable principle that acts as a stimulant. Tea is not a food, but it enables a person to do with less food than he would require without it. For there is all the time going on within the body a process of wasting away of the tissues, and this waste must be repaired by supplying the body with food; but while tea does not serve as food for building up the tissues, yet it may, to a certain extent, take the place

of food by stopping the tissue waste. Thus it is held to be one of the most needful articles of diet by those who cannot afford meat and such more expensive, nitrogenous foods. We can thus see that while tea may be useful to persons who have attained their full growth, it is harmful to all young and growing persons, because it takes away the appetite for food, and so retards the growth and development of the body. Hence, children and young people should avoid the use of tea if they wish to be full grown and healthy. Although when taken in moderate quantities, tea is a useful addition to the diet of adult persons, yet when used to excess it is capable of doing much harm. The excessive use of tea, especially with too little food, will produce indigestion and dyspepsia, nervousness, irritability, sleeplessness, loss of flesh and distressing neuralgia.

#### COFFEE.

Coffee, like tea, contains a vegetable principle that is a stimulant. One peculiar characteristic of the vegetable principles found in tea and coffee is their power of putting away sleep and keeping up a condition of wakefulness. Coffee is said to have been first used by those who wished to keep themselves awake during the Mohammedan nights of prayer, and the legend associated with its origin is as follows: A holy man who spent his nights in prayer was much troubled with drowsiness, and in his anger he at last cut off his offending eyelids and threw them upon the ground. The coffee plant sprung up immediately therefrom, and the form of the amputated eyelids is perpetuated in the leaf of the coffee plant. Coffee is a better beverage than tea, because it is not an astringent, does not suppress the secretion of the kidneys, and does not so readily produce nervous irritability. But when used to excess it will cause dyspepsia, and will keep the weary brain awake when it ought to be asleep. It should

not be given to children and young people, because it lessens the proper development of the body by taking the place of nourishing food.

Cocoa, or chocolate, contains a vegetable principle nearly the same as that of tea and coffee. It contains a large amount of vegetable fat, and so is much more nutritious than tea or coffee. The name Theobroma, or food of the gods, is said to have been given to the cocoa tree by the great botanist, Linnæus, who was very fond of chocolate.

#### OPIUM.

Opium is the dried juice of the poppy. The various preparations of opium in common use are Laudanum, Paregoric, Dover's powder, and the alkaloid Morphine. The last is the most powerful of all.

Opium is used in Medicine especially for the relief of pain. It should never be taken except under the direction of a physician, for it is a deadly poison when taken in too large doses. So great is the sense of relief produced by the use of opium that many persons have been drawn into the habit of taking it after having used it for pain. The stimulating effects of small doses of opium are so agreeable to many persons that the habit of using it is often formed in the same way as that of alcohol. When the habit of taking opium has once been formed it is very hard to break it up, and the poor victim rapidly becomes a most pitiable wreck. For it destroys the appetite, deranges the digestion, blunts the moral sense, and makes the person irritable and weak when without it, and dull and stupid when under its influence.

*Hashish*, or *Indian Hemp*, is another stimulant-narcotic. When taken in small doses it excites the brain to greater activity, ideas flow more easily, and a mental intoxication, usually of an agreeable kind, is induced. Frequently the

excitement takes the form of a furious delirium, in which acts of violence are committed. Whence the name “haschaschins,” or assassins, applied to the unfortunate hashish-eater who, while under the influence of the drug, commits murder. After the effects of the drug have passed off the person is usually unconscious of the events that occurred while he was under its influence.

*Chloral Hydrate* is a drug that is derived from alcohol by a chemical process. It is used in medicine to produce sleep. This power that it possesses of producing sleep, has led many persons into the habit of taking it for that purpose, until they find they are unable to sleep without it. This habit, while not as bad as the opium-habit, makes the person irritable and nervous, and subject to fits of melancholy. It deranges digestion, lessens the appetite, causes the heart to beat irregularly, and weakens the muscular system.

# REPORT

## OF THE

# CITY AGENT.

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To the Mayor and Aldermen of the City of Bangor :

I herewith submit a statement of the business done at the City Agency from March 11th, 1886, to May 4th, 1886.

### DR.

March 11, 1886.

To cash on hand last report.....	105 14
Stock on hand last report.....	748 67
Bottles, barrels, etc., on hand last report....	158 26

May 3.

To liquors purchased of State Commissioner....	441 54
Incidental expenses.....	73 51
Agent's salary to May 4th.....	68 33
Profit on sales.....	136 47

\$1,731 92

### CR.

May 4, 1886.

By stock on hand transfer to Geo. W. Sullivan,	710 94
Barrels, jugs and fixtures, do.....	173 62
Paid J. L. Crosby, City Treasurer .....	847 36

\$1,731 92

Respectfully submitted,

C. P. HODGKINS, City Agent.

Bangor, May 12th, 1886.

To the Mayor and Aldermen of the City of Bangor :

I herewith submit a statement of the business done at the Bangor City Agency from May 5, 1886, to March 12, 1887.

1887.

DR.

For stock and fixtures received of C. P. Hodgkins.....	\$884 56
Liquors purchased of State Commissioner, (per invoice).....	4,457 45
Incidental expenses.....	322 29
Agent's salary to March 22, 1887.....	526 04
Paid water tax, J. L. Crosby.....	5 00
Profit on sales from May 5, 1886, to Mar. 12, '87	500 21

\$6,695 55

CR.

By cash paid J. L. Crosby.....	5,290 92
Stocks and fixtures on hand Mar. 12, 1887.....	1,307 57
Cash on hand, Mar. 12, 1887.....	97 06

\$6,695 55

Respectfully submitted,

GEO. W. SULLIVAN, City Agent.



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REPORT OF THE WATER BOARD

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# **REPORT**

OF THE

# WATER BOARD.

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TO THE CITY COUNCIL :

The Water Board respectfully submit the following report for the municipal year ending March 1st, 1887 :

The works have been run during the year without accident or serious difficulty with either machinery, dam or pipes. Water has been the motive power during the entire year, except for ten days, while changes were being made in the flume to provide for the new water wheels. This year completes the eleventh since the water was introduced, during which time the pumping machinery has been in constant motion night and day. As machinery is ordinarily used, this would be equivalent to more than twenty-two years work. The fact that during this time, no accident has occurred, nor the city been without its supply of water, more than a few minutes at a time, is largely due to the skilful management and faithful care of the Engineer, Mr. Fellows, who has been in charge from the beginning.

The number of water takers has constantly increased. The power required to keep up the pressure becomes of course much greater, as the pipes are extended into the suburban portions of the city. The legitimate use of water, now very nearly equals the capacity of the pumps,—while the reckless waste of water indulged in by our citizens often makes a greater draft upon the machinery than it can safely bear.

To provide for future needs, and also against present accident, the Board has, recently,—with the approval of the City Council—contracted with the Holly Manufacturing Co. for an entire new set of pumping machinery. The pumps are to be of the most improved pattern, and of a pumping capacity of five million gallons per day. They are to be carried by additional water wheels, so placed as to be entirely separate from the present machinery, and at the same time, so arranged that all can be connected together, if desired. The new pumps will have an outlet of twenty (20) inch pipe, which for the present will connect with the sixteen (16) inch main pipe, a short distance this side the Works, but it will probably be found desirable, in the near future, to continue this twenty (20) inch main, as far, at least, as Pearl street and there connect with the present main and its branches.

To accommodate this new machinery, an addition or wing, 26 by 29 feet, has been erected on the southerly side of the building, the intervening wall taken down, throwing the whole into one large room. The foundations for the new pumps have been placed, as far as they can, until the pumps are received, and considerable other preparatory work already done. The contract calls for the delivery of the pumps in September or October of the present year, but it is hoped they may be in place some earlier than this.

Some repairs have been made upon the fishway during the year. The dam and its connections are now in good condition, except the bulkhead over the outside rack which is somewhat decayed and must soon be repaired. Four hundred feet of boom has been purchased and placed, to renew the same number of feet worn out.

The number of gallons of water pumped during the year ending March 1st, is 645,060,950, which does not vary much from the preceding year. There have been laid this year

about eight thousand feet of pipe of different sizes, and 167 service pipes added, making the number now in use 2263.

To provide against accident by flood or otherwise, to the single main, across Kenduskeag bridge, which connects the works with the west side, a new main of twelve (12) inch pipe to run from Harlow street, through Abbott Square, across the stream, under its bed, and connecting with the Hammond street main at Court street, has been ordered and was partly laid, late in the summer. Some delay to this work was occasioned by difficulty in obtaining pipe, and its entire suspension was compelled by a sudden rise of water in the stream. It will be completed as soon as the condition of the water in the stream will permit.

The water rates have been promptly paid. The amount paid to the city for water for the year ending March, 1886, was \$26,700.00, for the year ending March, 1887, it was \$23,577.87. This is an apparent decrease, but it must be taken into account, that there was included in the collections of 1886, \$4,000 of overdue bills of previous years. The real increase is about \$900.00. The increased income from takers added this year is about \$1,800.00. The amount received for water used in Brewer, in 1886, is \$641.43. The accompanying reports of the Engineer and Inspector, will show in detail the work done in their departments.

We desire again to call the attention of our citizens to the great waste of water to which allusion has been made in this Report. The City Ordinance relating to Water Works provides as follows :

“SEC. 8. All persons supplied with water shall keep the cocks, pipes, and fixtures in good repair, and protected from frost. No continuous flow to avoid against freezing or for other causes, will be allowed but by special permit of said board, and by paying extra rates therefor; and no leak shall be suffered to exist in any pipe, fixture or attachment.”

“SEC. 9. An unnecessary use or waste of water, or allowing it to be used by parties, or for purposes not specified in the application, will subject the offender to an immediate stoppage of the water, and the payment of not less than double the rates for the quantities thus used, or wasted, as estimated by the inspector.”

The Board has hesitated to enforce this ordinance rigidly, trusting, that the regard of citizens for their own interests would lead them to be reasonable in the matter. It is a matter of common knowledge that most people use the water without the least thought, or regard, as to time or quantity, as though, as has been popularly said, “they had a branch of the Penobscot river, running through their premises.” While very many have pipes in exposed places which they protect in winter by a continuous flow of water, contrary to the ordinance.

The capacity of the present pumping machinery is ample for any legitimate use of water, but it has a limit, which has been very nearly reached. There would seem to be no valid reason why citizens should expect to protect themselves from damage by water at the expense of the city, any more than they would from fire, or any other destructive element.

EDWARD B. NEALLEY,  
President *Ex-Officio*.  
CHAS. I. COLLAMORE,  
JOHN L. CUTLER,  
JAMES ADAMS,  
THOMAS W. VOSE,  
HIRAM B. WILLIAMS,  
H. H. FOGG.

# REPORT

## OF THE

# COLLECTOR OF THE WATER BOARD.

DR.

1886. March 16.

To cash on hand this date.....	\$484 48
Uncollected rates of 1877.....	3 75
" " " 1878.....	11 08
" " " 1879.....	1 67
" " " 1881.....	14 15
" " " 1882.....	23 32
" " " 1883.....	68 83
" " " 1884.....	149 48
" from April 1885 to April 1886..	236 89
Amount charged for water from April 1886 to	
April 1887.....	23,521 79
Collected for water in advance of April	
1887.....	1,784 86
of Town of Brewer for water	
service.....	641 43
S. & J. Adams for pipe sold	
them.....	39 75
Forepaugh's Circus for water	12 00
J. M. Valentine for grass sold	4 00
Inspector F. E. Sparks for	
horse sold.....	60 00
	<hr/>
	\$27,070 94

Amount credited Water Department by the City  
for water service for the several departments

9,184 50

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\$36,264 44

## CR.

1887. March 19.

By uncollected rates, 1884.....	\$143 54	
1885.....	12 82	
1886.....	42 92	
from Apr. 1886 to Apr. 1887	150 46	
Abatements for '77, '78, '79, '81, '82 and 1883	104 79	
Cash paid J. L. Crosby, City Treasurer.....	24,300 00	
Cash paid J. L. Crosby, City Treasurer, bal. due prior to 1884.....	75 00	
Rates refunded for shut-off, frozen, discontinued, &c. ....	52 96	
Cash on hand this date.....	687 70	
Amount charged in last year's report as collected in advance of April 1886.....	1,509 75	
	<hr/>	\$27,079 94
Amount charged for water service for the several departments.....	9,184 50	
	<hr/>	\$36,264 44

GEORGE W. SNOW, Collector of Water Board.

**Statement of Expenditures of the Water Department from  
March 16, 1886 to March 16, 1887.**

Paid interest on water loan.....	\$29,925 00	
on Service account, including labor and materials.....	10,993 11	
Running expenses account including salary of Engineer of works and his assistant.....	7,225 33	
for Miscellaneous expenses.....	542 48	
for salaries of Inspector, Clerk and Collector	1,600 00	
for Horse keeping, repairing harness, purchase of horse.....	419 44	
Office expenses.....	1 59	
	<hr/>	\$50,706 95

GEO. W. SNOW, Clerk of Water Board.

Bangor, April 23, 1887—Having examined the accounts of Geo. W. Snow, Collector of Water rates, for the year ending March 31, 1887, I find them carefully kept and apparently correct, and the disbursements properly vouched and corresponding with his Report as of March 19, 1887.

W. P. HUBBARD, Auditor.

# **REPORT**

## **OF THE**

### **ENGINEER OF THE WATER WORKS.**

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BANGOR, MARCH, 1887.

TO THE BANGOR WATER BOARD :

Gentlemen :—I respectfully submit the following report :

The engines, boilers, water wheels and rotary are in good condition. The main pumps should be repaired as soon as the new ones are ready to run. Slight repairs only have been made on the machinery during the year. Hard pine floor timbers have been put in the wheel room, the original timbers of white pine having decayed.

A wing twenty-nine by twenty-six feet to contain the new pumps, has been built on the southerly side of the pump house. The walls of brick, sixteen inches thick were carried up to the same height and of the same style as the main building, a trussed roof put on and slated.

The wall between the new and old buildings was taken down to the foundation and the windows taken out, were used with two others in the new part.

The inside was sheathed with hard pine and the ceiling painted white.

In order to get a bearing for the end of the new flume the west wall of the tail race was torn down and the ledge blasted out to the depth of sixteen feet below the centre of the main shaft. The pier in the centre of the tail race was also taken down to the brick arch, and rebuilt with stone laid in Port-



land cement level with the west wall and was made seventeen feet in length. This pier is intended to support the centre of the new flume.

The head race was divided so that either set of wheels may be used while the other is being repaired. There are seven head gates, of which four will supply water to the new wheels. As the gates were only one foot apart the partition wall of the head race was made of wood; planks of pine six inches thick were placed on end, and cross timbers ten by fourteen inches wide were bolted together in pairs at the top and at the bottom of the uprights, holding them in place.

About fifty yards of stone were removed by blasting from the bottom of the tail race to give room for the water passing through the new wheels. The water was shut off from the water wheels during the day time while the work on the flume and tail race was in progress and the steam engine connected to the pumps.

The foundation for the new pumps was commenced in the fall, but could not be finished as some changes had to be made in the plans by the Holly Manufacturing Co. New plans were received March 5, 1887.

It was necessary during the dryest part of the season to take water from above the dam through the new suction to the filter. We also used water from the same source while running by steam.

You will see by the figures below that less water was pumped the past year than the year before, but of the water pumped in 1885-6 some three or four millions gallons were used at the Works through siphons to keep the trench clear while building the suction.

## Number of gallons of water pumped in 1886-7.

1886.	Gallons.
March.....	64,459,000
April.....	51,473,600
May.....	42,676,150
June.....	45,980,000
July.....	52,500,000
August.....	43,862,830
September.....	49,079,600
September, rotary estimated.....	2,000,000
October.....	51,607,350
November.....	46,580,000
December.....	58,931,620
1887.	
January.....	73,204,000
February.....	62,708,800
Total.....	645,060,950
Water pumped in 1885-6.....	645,725,985
	645,060,950
	<hr/>
	565,035

Respectfully,

WILLIAM W. FELLOWS.

# REPORT

## OF THE

### SUPERINTENDENT OF WATER WORKS.

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BANGOR, MARCH 10, 1887.

TO THE BANGOR WATER BOARD :

Gentlemen :—I herewith present a report of the work done under my charge the past year.

#### MAINS.

There has been laid by order of the board 6700 feet of pipe as follows :

1250 feet of four inch on.....	Grove street.
1300 " " " " .....	Walter street.
750 " " " " .....	Fremont street.
500 " " " " .....	Birch street.
600 " " " " .....	Salem & Hancock.
225 " " " " .....	Second street.
200 " two " " .....	Carr street.
650 " " " " .....	Otis street.
200 " " " " .....	Sanford street.
475 " " " " .....	Thomas Lane.
300 " one and one-half inch.....	Pier street

And 250 feet of 12 inch on the east side of the stream, it being a part of the contemplated main under the bed of the stream. It will be observed that as we extend our mains out into suburbs we are obliged to encounter in many places a large amount of ledge which makes the cost of laying expensive to the city and also to the water takers, as they are required to raise ten per cent. on the cost.

There has been several petitions presented which did not comply with this rule therefore the pipe was not laid. All lines laid the past year have met the requirements in this respect.

Oct. 28th, a large petition presented, signed by Wood, Bishop & Co., Wheelwright, Clark & Co., R. S. Morison & Co., and ninety-seven other prominent firms doing business on the West side, for a second main pipe across the stream. This was immediately acted upon by the Board, and I received instructions to lay the same if possible before a rise of water. The line as first laid out commencing at the foot of Hancock St., and running diagonally across to the Water St. slip, was found to be impracticable as a large portion of it would be covered with water nearly the entire year, and in case of a leak would be very difficult to repair. The line as finally decided upon, leaves the eight inch main on Harlow St., passing through the city lot and directly across the stream, landing on the County's lot crossing a small corner of same, thence to the city lot on the West side, connecting with the 12 inch main, on Hammond St. Although this line is a little longer than the first, yet it possesses many advantages. As there are only 200 feet of it under the bed of the stream, and this part can be more readily repaired than if laid in the former place. Having no 12 inch pipe on hand at the time the order was passed, I wrote to the several nearest cities, also to Boston. Mr. Wescott, Treasurer of the Portland Water Co., kindly forwarded such as he could spare, the balance was ordered from Philadelphia; but owing to the lateness of the season and a sudden rise of the stream we could not complete the work last fall. We now have the pipe and specials castings on hand, ready for the first opportunity to lay in the spring.

## SERVICE PIPES AND HYDRANTS.

A larger amount of work has been done in the service department than in former years. There has been added one hundred and sixty-seven new service pipes making the total number to date, 2263. These additions have produced a considerable increase to the revenue which will in the near future pay the interest on the outlay. There has been some expense incurred in changing some of the old pipes which was first put in. As our works grow older it is noticed that some of the pipes first put in are filled with rust. As a consequence we have had to change the past year 115 of them for larger pipe. We have continued the use of the cast iron service box and have replaced 240 wooden ones with them.

There has been 71 services shut off for non-payment of tax. All have been turned on again except six, and there now remains but a small amount unpaid. The hydrants continue to work well; only one has been found frozen, and that was repaired before it was needed for use. One has been replaced by one of longer pattern, required by raising the sidewalk on Central street; four have been broken by frost lifting them. I think that new ones should be set on Elm, Grove and Walter streets, at the end of each line of pipe.

During the past winter we have had occasion to shut off water for repairs on several lines, and have found that many of the valves leak quite badly, probably caused by rust or sediment collecting in the bottom of them. It will be necessary to overhaul many of them the coming season to put them in good repair. One new 4 inch valve has been put in on the corner of Washington and French Streets.

Respectfully submitted,

F. E. SPARKS,

Inspector.

# NUMBER AND LOCATION OF FIRE HYDRANTS.

---

	<i>No.</i>
At the Works.....	1
State street, corner of Howard street.....	2
State street, corner Pearl street.....	3
State street, corner of Birch street.....	4
State street, corner of Maple street.....	5
State street, corner of Forest Avenue.....	6
State street, between Forest Avenue and Grove.....	7
State street, between Essex and Pine streets.....	8
State street, corner of Broadway....	9
State street, corner of French street.....	10
State street, corner of East Market Place.....	11
Pearl street, south of State street.....	12
Pearl street, between State and Garland streets.....	13
Birch street, between State and Garland streets.....	14
Fern street, corner of Garland street.....	15
Fern street, between State and Garland streets.....	16
East Summer street, corner of Hancock street.....	17
Maple street, between State and Garland streets.....	18
Garland street, at end of Maple street.....	19
Newbury street, at head of York street.....	20
Gridley street, off of Newbury street....	21
Hancock street, corner of Newbury street.....	22
Hancock street, corner of Boyd street.....	23
Hancock street, corner of Carr street.....	24
Hancock street, corner of Essex street.....	25
Hancock street, corner of Oak street.....	26
Hancock street, corner of Exchange street.....	27
Exchange street, between Hancock and Washington streets.....	28
Washington street, corner of Exchange street.....	29
Washington street, corner of Oak street.....	30
Washington street, at railroad crossing.....	31
York street, corner of Boyd street.....	32
York street, corner of Adams street.....	33
York street, corner of Essex street.....	34

	No.
York street, corner of Broadway.....	35
York street, corner of French street.....	36
York street, corner of Exchange street.....	37
Forest Avenue, corner of Somerset street.....	38
Forest Avenue, at City Common.....	39
Forest Avenue, north of Garland street.....	40
Somerset street, between Elm and Grove streets.....	41
Elm street, corner of Garland street.....	42
Grove street, between State and Somerset streets.....	43
Grove street, between Somerset and Garland streets.....	44
Essex street, head of Penobscot street.....	45
Essex street, corner of Somerset street.....	46
Essex street, head of Cumberland street.....	47
Essex street, corner of Garland street.....	48
Essex street, 400 feet north of Garland street.....	49
Essex street, 800 feet north of Garland street.....	50
Essex street, corner of Stillwater Avenue.....	51
Broadway, corner of Penobscot street.....	52
Broadway, corner of Somerset street.....	53
Broadway, corner of Cumberland street.....	54
Broadway, corner of Garland street.....	55
Broadway, near Brown's new houses.....	56
French street, corner of Penobscot street.....	57
French street, corner of Somerset street.....	58
French street, corner of Cumberland street.....	59
French street, corner of Garland street.....	60
East Market Square, opposite engine house.....	61
Park street, near Darling's factory.....	62
Center street, corner of Somerset street.....	63
Center street, corner of Cumberland street.....	64
Center street, corner of Garland street.....	65
Center street, corner of Jefferson street.....	66
Center street, corner of Madison street.....	67
Center street, corner of Congress street.....	68
Jefferson street, corner of Norfolk street.....	69
Madison street, corner of Norfolk street.....	70
Harlow street, corner of Center street.....	71
Harlow street, corner of Cumberland street.....	72
Harlow street, corner of Kenduskeag Avenue.....	73
Kenduskeag Avenue, corner of Division street.....	74
Kenduskeag Avenue, corner of Jefferson street.....	75
Kenduskeag Avenue, corner of Madison street.....	* 76

	<i>No.</i>
Kenduskeag Avenue, corner of Congress street.....	77
Kenduskeag Avenue, near G. F. Godfrey's house.....	78
Valley Avenue, at Morse & Co's mills.....	79
Thaxter's lane.....	80
Central street, east side of bridge.....	81
Cumberland street, corner of Market street.....	82
Spring street, between Harlow and Center streets....	83
Prospect street, between Harlow and Center streets.....	84
Franklin street, near the bridge.....	85
Kenduskeag bridge, near Bowler & Merrill's.....	86
Kenduskeag bridge, near Osgood & Lyford's.....	87
Central street, west side of bridge.....	88
West Market Place, at Circular Block.....	89
West Market Place, at Mercantile Block.....	90
Pickering Square, corner of Water street.....	91
Haymarket Square.....	92
Broad street, corner of Union street.....	93
Front street, foot of May street.....	94
Railroad street, at Dole & Fogg's Mill.....	95
Railroad street, at depot grounds.....	96
Summer street, corner of Cedar street.....	97
Summer street, corner of Union street.....	98
Main street, at A. H. Roberts' store.....	99
Main street, corner of Middle street.....	100
Main street, corner of Union street.....	101
Main street, near Davenport square.....	102
Main street, near Parkhurst's factory.....	103
Main street, head of Railroad street.....	104
Main street, corner of Patten street.....	105
Main street, corner of Sydney street.....	106
Main street, corner of Lincoln street.....	107
Main street, corner of Buck street.....	108
Main street, near the City Alms House.....	109
In the yard at City Alms House.....	110
Davis street, corner of First street....	111
Columbia street, corner of Cross street.....	112
Franklin street, corner of Hammond street.....	113
At City Stables, and County Buildings.....	114
Court street, corner of Hammond street.....	115
Court street, near C. A. Neally's.....	116
Court street, corner of Boynton street.....	117
Court street, near E. S. Coe's house.....	118



Everett street, corner of Bower street.....	119
Thomas street, corner of Charles street.....	120
Ohio street, corner of Hammond street.....	121
Ohio street, in front of Mrs. Pitman's house.....	122
Ohio street, corner of Hudson street.....	123
Ohio street, head of Everett street.....	124
Ohio street, corner of Bower street.....	125
Ohio street, opposite Highland street.....	126
Ohio street, corner of Fremont street.....	127
Ohio street, corner of Mill Lane.....	128
Ohio street, corner of Fourteenth street.....	129
High street, near Patten Court.....	130
Union street, corner of High street.....	131
Union street, corner of Clinton street.....	132
Union street, corner of Hudson street.....	133
Union street, corner of George street.....	134
West Broadway, corner of Union street.....	135
West Broadway, corner of Cedar street.....	136
Pond street, corner of Hayward street.....	137
Sixth street, near the foot.....	138
Hammond street, corner of Union street.....	139
Hammond street, opposite Fifth street.....	140
Hammond street, corner of Cedar street.....	142
Hammond street, east of West Broadway.....	141
Hammond street, corner of Webster road.....	143
Cedar street, corner of First street.....	144
Cedar street, corner of Second street.....	145
Cedar street, corner of Third street.....	146
Cedar street, corner of Fourth street.....	147
Fifth street, between Cedar and Warren streets.....	148
Fourth street, between Cedar and Warren streets.....	149
Third street, corner of Warren street.....	150
Parker street, near Stoddard & Hellier's.....	151
Owned by E. & N. R'y Co., located near their engine house....	152
Washington street, near Toll Bridge.....	154
Hammond street, extension.....	155
Cottage street, corner of Union street.....	156
Lincoln street, 500 feet from Main street.....	157
Dutton street.....	158
Fruit street.....	159
Larkin street.....	160
Third street, corner of Walter street.....	161

# LOCATION OF VALVES.

---

	NO.	SIZE.
On main pipes at Works.....	1	16
On hydrant branch at Works 3ft. from hydrant....	2	4
On hydrant branch State and Howard, 9ft. from hydrant..	3	4
Pearl and State, north side, 10 ft. 9 in. from north-east corner, 7 ft. from hydrant.....	4	4
Pearl and State, south side, 20 ft. 8 in. from east line of Pearl.....	5	4
Fern and State, 24 ft. from east line of Fern.....	6	6
East Summer and State, 21 ft. and 9 in. from east line of Summer.....	7	4
Hancock and Pearl, 18 ft. 5 in. from east corner of Thomas Foster's house.....	8	4
Birch and State, 11 ft. 6 in. from hydrant.....	9	4
Maple and State, 16 ft. and 3 in. from east line of Maple...	10	6
Garland and Maple, 18 ft. from hydrant.....	11	6
Newbury and State, 13 ft. from east line of Newbury.....	12	8
Forest Avenue and State, 40 ft. west of tree on north-east corner.....	13	6
Forest Avenue and Garland, 16 ft. and 8 in. from south-east corner.....	14	6
State and Newbury, 54 ft. 7 in. from south-west corner....	15	12
Boyd and State, 13 ft. 4 in. from west line of Boyd.....	16	4
Adams and State, 13 ft. 3 in. from west line of Adams.....	17	4
On hydrant opposite Convent, State street. 7 ft. 6 in. from hydrant.....	18	4
Hancock and Carr, 17 ft. east of monument on east corner of Carr.....	19	8
Essex and State, south side, 15 ft. 7 in. from west line of Essex.....	20	4
Essex and State, north side, 16 ft. 4 in. from east line of Essex.....	21	6
Somerset and Essex, south side of Essex, 25 ft. north of elm tree, 43 ft. 5 in. from hydrant.....	22	6
Somerset and Essex, on west Somerset, 10 ft. 8 in. west of gas post.....	23	6

	NO.	SIZE.
Essex and Garland, on south Essex, 31 ft. from monument on south-east corner, 43 ft. from hydrant.....	24	6
Essex and Garland on north Essex, 30 ft. from east line of Essex.....	25	6
Garland and Essex, 14 ft. from north line of Garland.....	26	6
Broadway and Garland, 16 ft. 6 in. from elm tree on south-east corner.....	27	6
Cumberland and Broadway, 13 ft. 9 in. from north line of Cumberland.....	28	4
Somerset and Broadway, 27 ft. from south line of Somerset Broadway and State, 42 ft. 7 in. from west line of Broadway.....	29	6
On hydrant between Essex and Pine, 22 ft. 2 in. from hydrant.....	30	6
French and State, 15 ft. from east line of French.....	31	4
Somerset and Center, 41 ft. 6 in. south of monument on north-east corner of Center.....	32	6
Center and Garland, 4 ft. 4 in. from granite post on south-west corner of Garland.....	33	6
Garland and Center, 14 ft. from north line of Garland.....	34	6
Congress and Center, 43 ft. south of hydrant.....	35	6
Kenduskeag Avenue and Division, 20 ft. 7 in. south of hydrant.....	36	4
On blow-off at foot of Morse's hill, 15 ft. from fence.....	37	6
Cumberland and Harlow, on Cumberland, 47 ft. 6 in. east gas post, 38 ft. from hydrant.....	38	6
Harlow and State, on Harlow, 35 ft. 4 in. west of curb stone.....	39	4
State and Exchange, on State, 28 ft. 8 in. south of gas post, State and Harlow, on State, on line of Harlow, 21 ft south of curb stone.....	40	8
Exchange and State, on Exchange, 24 ft. west of Buck's corner..	41	12
Hancock and Exchange, on Hancock, 13 ft. 3 in. from north corner, 18 ft. 4 in. from south corner.....	42	16
Hancock and Exchange, on Exchange, 24 ft. 3 in. from north corner, 24 ft. from south corner.....	43	8
Kenduskeag Bridge, on hydrant branch 9 ft. 6 in. from hydrant.....	44	8
Hancock and Washington, on hydrant 46 ft. 6 in. from R. R. sign post, 59 ft. 6 in. from fence.....	45	6
	46	4
	47	8

	NO.	SIZE.
Fruit and State, on Fruit, on north line of State, 15 ft. from north-east corner.....	48	4
Hydrant branch at T. Lyford's, 11 ft. from hydrant.....	49	4
Blow-off valve 31 ft. 8 in. from west corner, and 34 ft. from east corner of store occupied by S. S. Smith & Son....	50	6
Hammond and Central, 28 ft. 9 in. from north line of Hammond.....	51	12
Central and Hammond, 29 ft. 8 in. from north-east corner,	52	4
Franklin and Hammond, 8 ft. 8 in from hydrant.....	53	4
Columbia and Hammond, 37 ft. 5 in. from granite post, 31 ft. from corner of brick store.....	54	4
Court and Hammond, 69 ft. 6 in. from east line of Court..	55	6
Court and Everett, 12 ft. from elm tree on south-west corner of Court.....	56	6
Court and Everett, 12 ft. 8 in. from corner of Chase house,	57	6
Ohio and Court, 61 ft. 5 in. from gas post, 46 ft. 3 in. from elm tree.....	58	6
Charles and Union, 24 ft. 2 in. from north-east corner....	59	4
Hammond and Cedar, 73 ft. from hydrant, 43 ft. 8 in. from gas post.....	60	8
Cedar and Hammond, 26 ft. 8 in. from hydrant, 14 ft. 6 in. from elm tree.....	61	6
Cedar and Hammond, 31 ft. 6 in. from monument on south-east corner 65 ft. 8 in. from hydrant.....	62	6
Hammond and Fifth, 64 ft. from hydrant, 54 ft. 3 in. from elm tree.....	63	8
Hammond and Union, 23 ft. 4 in. from hydrant, 30 ft. from gas post.....	64	6
Ohio and Hammond, 49 ft. from gas post, 60 ft. from corner of Fellows' store.....	65	6
Clinton and Hammond, 20 ft. 10 in. from west corner....	66	8
Union and Clinton, 18 ft. from south-east corner of Clinton,	67	6
Third and Cedar, 20 ft. 2 in. from south-west corner, 61 ft. 7 in. from hydrant.....	68	8
First and Union, 13 ft. 9 in. from gas post, 10 ft. 6 in. from elm tree.....	69	4
Union and Main, 20 ft. 6 in. from north-east corner.....	70	6
Union and Main, north 19 ft. 4 in. from north-east corner,	71	6
Main and Cedar, 16 ft. 7 in. north of elm tree.....	72	8
Cedar and Main, 43 ft. 6 in. from gas post.....	73	4
Railroad and Main, 16 ft. 8 in. from gas post.....	74	6
Summer and Union, 29 ft. 6 in. from hydrant.....	75	6

	NO.	SIZE.
Water and Main, 18 ft. 6 in. from monument on north corner.....	76	4
Main and West Market Square, 14 ft. 4 in. from west corner, 22 ft. from gas post.....	77	8
West Market Square and Main, 30 ft. 9 in. from fountain, 22 ft. 6 in. from gas post.....	78	8
Lincoln and Main, 31 ft. 7 in. from hydrant.....	79	4
Washington, west end of Bridge, 38 ft. 3 in. from Tel. post, 26 ft. from granite post.....	80	8
Main and Dutton, 38 ft. from hydrant.....	81	6
Hancock, east of Brewer branch, 6 ft. from Tel. post....	82	8
Blow-off, Main street, 27 ft. 2 in. from granite post at Ma- son's corner.....	83	6

# WATER RATES.

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## DWELLING HOUSES.

For each dwelling house containing a family of not more than five persons, with one faucet for use within the tenement, \$5.00 per annum.

For each additional person in family, 50 cents per annum.

For the first two wash hand basins set, \$1.00 each per annum.

For each additional hand basin, 50 cents per annum.

For one bathing tub, \$3.00 per annum.

For each additional bathing tub, \$1.00 per annum.

For one water-closet, \$3.00 per annum.

For each additional water-closet, \$1.00 per annum.

For a dwelling occupied by two or more families, each family to pay three-fourths of the above rates per annum.

## HOTELS AND BOARDING HOUSES.

Hotels and boarding houses, from \$10.00 to \$40.00 per annum.

For each room within the same for boarders or lodgers, an additional \$1.50 per annum.

For each water-closet or urinal, \$5.00 per annum.

## BUILDINGS.

For buildings used for offices or occupied by different tenants for business purposes, not for sale of merchandise.

For each office in which there is a faucet, \$3.00 per annum.

For each water-closet in the same, \$2.00 per annum.

When a faucet is so located as to be used by occupants of another office, an additional \$2.00 per annum.

And for a water-closet used by occupants of another office, an additional \$2.00 per annum.

**STORES.**

For each tenement used as a store or warehouse, in which there is one faucet, \$5.00 per annum.

For each additional faucet, \$2.00 per annum.

For each water-closet or urinal, \$5.00 per annum.

For each additional water-closet or urinal, \$3.00 per annum.

**BUTCHERS' STALLS AND FISH MARKETS.**

For each store or stall used for vending meats or fish, for one faucet, \$10.00 to \$15.00 per annum.

For each additional faucet, \$5.00 to \$10.00 per annum.

**SALOONS AND EATING HOUSES.**

For each saloon or eating house, wherein the food consumed is cooked, for one faucet, \$8.00 to \$12.00 per annum.

For each faucet additional, \$5.00 per annum.

For each wash hand basin set, \$2.00 per annum.

For each tub or wash trough, \$2.00 per annum.

For each pan water closet, \$3.00 per annum.

For each hopper water closet, \$6.00 per annum.

**MECHANICS' SHOPS.**

No water used for power—for one faucet \$5.00 per annum.

For each additional faucet, \$2.00 per annum.

**PRIVATE STABLES.**

For private stables, including water for washing carriages, for one horse, \$5.00 per annum.

For each additional horse, \$1.50 per annum.

For one cow, \$2.00 per annum.

For each additional cow, \$1.00 per annum.

Truckmen's stables, shall be charged for one horse, \$3.00 per annum. For each additional horse, \$1.00 per annum.

**LIVERY STABLES.**

For livery stables, for one horse, including washing carriages, from \$6.00 to \$10.00 per annum.

For each additional horse, \$1.50 per annum.

**HOSE.**

Free for extinguishing fires.

For washing windows and sprinkling streets, \$3.00 to \$6.00 per annum.

For sprinkling lawns and gardens, \$2.00 to \$10.00 per annum.

**PRINTING HOUSES.**

For ordinary purposes, including washing types, for each press \$10.00 to \$25.00 per annum.

When motors are used, a special charge will be made for them.

**STEAM ENGINES.**

Stationary steam engines, working not over ten hours per day, per H. P., \$4.00 per annum,

**BUILDING PURPOSES.**

For each cask of lime slacked, 4c.

For each cask of cement slacked, 3c.

**BAKERY.**

For each bakery using more than two barrels of flour per diem, \$6.00 per annum.

For each additional barrel used per day, \$3.00 per annum.

**MOTORS.**

When the quantity used does not exceed 1,000 gallons per diem, 15c. per 1,000 gallons.

When the quantity used exceeds 1,000 gallons per day, 10c per 1,000 gallons.

**METER RATES.**

Domestic use, for quantity not exceeding 1,000 gallons per day, 30c. per 1,000 gallons.

From 1,000 to 3,000 gallons, 25c. per 1,000 gallons.

Over 3,000 gallons, 20c. per 1,000 gallons.



# CITY ORDINANCE

## RELATING TO

# BANGOR WATER WORKS.

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SECTION 1. It shall be the duty of the water board of said city to cause all the hydrants connected with the Water Works to be examined as often as necessary, to see if they are in good order; to keep them, during the winter, free from snow and ice, and to have them at all times in good condition for use.

SECT. 2. No person unless authorized by said board, shall open any firehydrant, nor remove any cap thereof, nor fasten any horse or team to or in front thereof, or in any way obstruct free access to and use thereof, nor deposit any dirt or other material in any public or private stop, gate-box, or stop, nor in any manner commit any act tending to obstruct the use of any hydrant, gate or valve. *Provided*, however, in cases of fire, the hydrants shall be for the time being, under the entire control of the chief engineer of the fire department, who, after each fire, shall cause each hydrant used to be left in good condition for immediate use. Said engineer may also, after having given notice to said board of his intention so to do, use said hydrants to fill the reservoirs of said city.

SECT. 3 Any person desiring a supply of water, shall make application in writing to said board, stating for what use it is wanted, the location in which it is desired, and as near as may be the extent of its use. If application is made by tenants, it must contain the assent of the owner or agent

of the premises, and he, or they, shall be responsible for the rate for the use thereof.

SECT. 4. All pipes, valves and fixtures, must be capable of sustaining a pressure of at least two hundred pounds to the square inch ; and the plumber's work must be examined and tested by the inspector of said board, before the water is finally turned on.

SECT. 5. Said board will furnish and lay a service pipe from the street main to the outer edge of the side-walk, and furnish and place at said edge of the side-walk, a stop valve and box, on condition that the applicant shall thereafter maintain and keep it in order at his own cost, and that the same shall at all times be completely subject to the control of said board. No pipe shall be connected with the city service pipe, nor shall water be turned on at any time until a permit is issued therefor. All connections with main pipes shall be made by a person appointed for that service by said board.

SECT. 6. Said board are authorized to appoint an inspector of said works, and define his duties. Said inspector shall at all times, when on duty, wear, in a conspicuous place on his clothing, a badge furnished by the water board. He shall at all proper and reasonable times have access to, and be permitted to inspect pipes, fixtures, and apparatus supplied with water, and may control the location and use of the stop and waste cock in the cellar of the building, or in whatever location it may be placed, as the interest in the city may require.

SECT. 7. Water will in no instance be turned on until the plumbing has been examined and approved by the inspector of said board, or reported safely and well completed in all its parts, to sustain a pressure of two hundred pounds to the square inch, by a plumber licensed by the board, and approved by the inspector ; and every plumber who shall set

up any pipes, fixtures or apparatus for the use of water, or shall make repairs upon or additions to those already set up, shall report to said board within two days of the completion thereof, the nature of the repairs or additions which have been made to the work heretofore existing.

SECT. 8. All persons supplied with water shall keep the cock, pipes, and fixtures in good repair, and protected from frost. No continuous flow to guard against freezing or for other causes, will be allowed but by special permit of said board, and by paying extra rates therefor; and no leak shall be suffered to exist in any pipe, fixture, or attachment.

SECT. 9. An unnecessary use or waste of water, or allowing it to be used by parties, or for purposes not specified in the application, will subject the offender to an immediate stoppage of the water, and the payment of not less than double the rates for the quantities thus used, or wasted, as estimated by the inspector. And when water has been turned off from any premises for any reason above stated, or for any defect in the plumbing, the sum of one dollar will be charged for turning on.

SECT. 10. Any person considering his water rates excessive, may apply to said board for a meter to be set at his expense, and the amount of his rate may be determined thereby; and said board may cause a meter to be attached to any premises where they have reason to believe that an unnecessary or fraudulent use of water is being made, and may assess rates upon such premises thereby.

SECT. 11. Water supplies for hydraulic power, or in large quantities for special use, will be subject to such restrictions as said board may impose; and no meter shall be put in use without the consent of said board.

SECT. 12. Each builder or superintendent of building using city water, shall, on the first day of each month, return

to said board at their office, a full and true account of all water used by him during the month previous, and he shall at that time pay for the water so used.

SECT. 13. All the water rates, except for building purposes, meter rates, lawn and street sprinklers, shall be due and payable at the office of said board, quarterly in advance, on the first day each of January, April, July and October. Meter rates will be due and payable at the same place on the first day of the succeeding quarter; and rates for garden, lawn and street sprinklers will be due and payable in advance at said office, on the first day of April and July of each year. The amount of each rate remaining unpaid twenty days after it is due, will be increased ten per cent.; and one per cent. per month interest on the original amount due, will be charged in addition therefor, until paid, together with costs of collection.

SECT. 14. Not more than twenty-five per cent. discount will be made from regular rates when supplies of water are taken by special permit from yard fixtures, or from sources without the premises; and in no case shall such supplies be taken from fire hydrants.

SECT. 15. Said board reserve the right to shut off water after giving notice of their intention to do so, for the purposes of making extensions, alterations, or necessary repairs. And they will shut off water without notice from premises, when the user shall disregard the rules for its supply, neglect to pay the rates therefor promptly, or shall sell or permit an unauthorized use of the water. Any person receiving water through a stop in common with another person, will be liable to have his supply shut off in consequence of the violation of the rules by the other person or party.

SECT. 16. The regular rates for fountains and jets will be based upon their use for six hours per day for one hundred

days in the year, or equivalent to that time; and shall not exceed in size, in locations not over one hundred feet above the pumping house floor, three-sixteenths of an inch in diameter. And for localities not over one hundred and fifty feet above said floor, one-fourth of an inch in diameter; and in no case over three-eighths of an inch in diameter.

SECT. 17. The regular rates for street and garden sprinklers, and for yard and lawn hydrants, will be based upon their use for one hour per day, for ninety days in a year; and are not to be used to the inconvenience or injury of persons passing in the streets, and only at such hours as said board may direct. Yard and garden hydrants must not be converted into jets; and neither the sprinklers nor hydrants are to be used for wetting other premises than the ones defined in the application, without permission of said board, and payment of said additional use. The size of the stream permitted shall in all cases be fixed by the board, and the increasing of the size by the user, shall be sufficient cause for the turning off of the water. The board may designate the hours during which the sprinklers or hydrants may be used. Their use while a fire is raging, is positively forbidden, except in case of danger of the premises from fire.

SECT. 18. All valves for water closets and urinals must be self-closing, and are to be submitted to and approved by the inspector of the board. Tanks receiving water direct from the mains, are to be fitted with approved self-acting float valves.

SECT. 19. Any person who shall violate any of the provisions of this ordinance, shall forfeit and pay the sum of not less than one nor more than thirty dollars, to be recovered by action of debt in the name of the City Treasurer, for the use of the city, before the police court, or any other court that may hereafter have jurisdiction of the same.

# BANGOR WATER BOARD

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CHARLES F. BRAGG, Mayor, *ex-officio*.

Hiram H. Fogg,		Term expires, March, 1890.
Thomas White,	- -	Term expires, March, 1890.
Thomas W. Vose,	-	Term expires, March, 1889.
James Adams,		Term expires, March, 1889.
John L. Cutler,	-	Term expires, March, 1888.
Chas. I. Collamore,		Term expires, March, 1888.

GEO. W. SNOW, Clerk and Collector.

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FRANK E. SPARKS, Inspector.

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WILLIAM W. FELLOWS, Engineer.



# REPORT

## OF THE

# CITY ENGINEER.

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BANGOR, MARCH, 1887.

TO THE CITY COUNCIL :

The City Engineer herewith submits his annual report for the year ending March, 1887.

In the City Engineer's Department the following work has been executed :

### STREET LINES.

Street lines have been surveyed and determined in nine instances as follows ; viz. :

Penobscot street from French to Broadway ; French street from York to State ; French street from Garland street north-erly ; Pine street from York to State ; Garland street from Pearl to Fruit ; Washington street from Pine to Hancock ; Main street from Railroad bridge to Hampden line ; Seavey Park boundary lines Cumberland and Market streets ; Wing Park boundary lines Hammond and Bowdoin streets.

### GRADE LINES AND LEVELS,

Surveys of grades have been made on Main street, French street, First street, Forest Avenue and Central street ; also many other levels taken for the determination of differences of elevation, required by citizens and upon their application, for the purpose of connecting house drains with public sewers.



## SURVEYS.

Preliminary surveys have been made for sewers on Meadow Brook, Sixth street extended, Warren street extended, Cedar street, Broadway, Cumberland street, Hammond street, Pier street, Walter street, Patten street, Lincoln street, George street, Park street, Sanford street extension, Dole Court, Railroad street and Thomas street.

Surveys and plans have been made for laying out streets and grades as follows, viz :

Laying out and grade of				Date	street extension.		
"	"	"	"	"	Somerset	"	"
"	"	"	"	"	Second	"	"

Profiles for grade lines were also run on Cedar street and Grove street; but the matter of laying out these grades was postponed until another season. A survey was also made of about 19 acres purchased as an addition to the City Farm.

## PLANS.

Plans and profiles have been made and recorded in the Sewer Plan Book and City Plan Book respectively, of all sewers constructed and street lines or grades laid out and established. The plan of the Sewer system has been extended and includes all of the work for the present year. It is complete up to the present time.

A plan was made in February of the "Short Line" route as surveyed for the International Railway Co., from Moosehead Lake to Mattawamkeag and Lincoln, also showing the locations of B. & P. R. R.; E. & N. A. R.; B. & K. I. W. R.; and Monson R. R.; this map was for use at the citizens meeting held at City Hall, and also at the hearing before the Legislative Committee on railroads, held at Augusta.

## CONCRETE WALKS.

Preliminary measurements have been made for concrete walks as follows :

Garland street,	66 square yards.
Forest Avenue,	569 " "
High street,	152 " "
Middle street,	172 " "
Essex street,	64 " "
Charles street,	78 " "
Grove street,	329 " "
Cumberland street,	40 " "
Pine street,	29 " "
Penobscot street,	159 " "
Somerset street,	180 " "
York street,	72 " "
Fourth street,	265 " "
Main street,	240 " "

## MONUMENTS.

Permanent stone monuments of size and shape, conforming to the requirements of the city ordinance relating to the same, have been placed as follows, viz :

- 1 At junction of Mt. Hope Avenue and Howard street.
- 2 On extension of Mt. Hope Avenue,
- 1 At junction of Mt. Hope Avenue, line between Veazie and Bangor.
- 1 " " " Union street " Second street.
- 1 " " " Somerset street " Date street.
- 2 On Date street.

## BRIDGES.

The receipts and disbursements of the Bridge Department are shown by the following exhibit, viz :

## EXPENDITURES.

Amount expended at Six Mile Falls	Bridge,	\$566 78
" " " Merrill's Mills	"	224 74
" " " French and Greeley's Mills	"	216 81
" " " Kenduskeag	"	46 72
" " " Franklin street	"	35 23
" " " Central	"	24 85
		————— \$1,115 13

## RECEIPTS.

Amount of appropriation and credits,	\$1,001 00	
“ overdrawn,	114 13	
	<hr/>	\$1,115 13

The work in the Bridge Department for the year, comes under the head of repairs; the most extensive repairs were made at Six Mile Falls bridge, the old gravel roof was removed and a new shingled roof built in its place; the bridge was put in thorough repair and ought to last for many years without the outlay of any considerable amount.

Merrill's Mills bridge and French & Greeley's Mills bridge were replanked; Kenduskeag and Central bridges were repainted. The eight bridges over Kenduskeag Stream have been thoroughly inspected and found in good condition, with the following exceptions, viz.; the roof of the Salt Mills bridge has been damaged to some extent by blasting building stone from an adjacent quarry. It is believed that the owner of the quarry will make necessary repairs, under the direction of the City Engineer, as soon as the weather is favorable to the work.

The easterly abutment of the easterly span of Kenduskeag bridge has been in a damaged condition for several years. The foundation upon which it rests is of a soft character and in the course of time the current has scoured under the bottom courses of the abutment. Its own weight has caused it to settle as fast as the material has been washed away, and as this process has naturally removed the material from under the face of the abutment rather than from under its whole area, the settlement has been unequal to such an extent as to cause a horizontal movement at the top of the abutment of four inches since the settlement was first noticed, and from measurements taken it is found that the movement since last spring is  $1\frac{3}{4}$  inches westerly. Measurements should be taken soon after the coming spring freshet (1887) to determine its effect upon the foundation. The abutments of the westerly span of this bridge were known to be out of repair several years before the freshet of the spring of 1884 virtually car-

ried away the bridge. It was closed to teams until late in the fall of the same year, which was a damage to the business of many and an inconvenience to all. It is to be hoped that the department of the bridges will see that the damaged abutment of the easterly span, is properly examined and rebuilt before it topples over into the channel. While it remains in its present condition it will be possible to perform the work economically and allow nearly one half of the width of the bridge for passage of teams while the work is underway. If it is neglected too long it may necessitate the entire closing of the bridge to teams for several months as in the case of the westerly span in 1884.

#### PAVING.

The subject of paving has been mentioned in previous reports and from observation it seems that the need of continuing a work so well begun, has not diminished within the past twelve months. The heavy traffic on Front, Broad and Exchange streets and across Kenduskeag bridge, is of a character with which most of our citizens are familiar. A good pavement is regarded in all cities as a great convenience; the smooth, hard surface is readily cleaned of all accumulations of dust and dirt, which in streets subject to heavy traffic, is a prolific source of absorbing and retaining surface liquids. It is also very well known that a good pavement promotes easy draft, but it may not be so generally known, what the difference in traction really is between our gravel roads and granite pavements. Actual experiments have determined that a horse can move one third more load with the same muscular force, on granite pavement than on a surface equivalent to our gravel roads when at their best, and two thirds more than on our gravel roads when made somewhat soft by the effect of stormy weather. The traction required to move a given load on granite pavement is less

than on other surfaces, wood comes next to granite and asphalt next to wood ; the tractive force required on the two latter is greater than on granite for the reason that owing to the elasticity of the material it sinks slightly, immediately under the wheels, and an additional force is required to raise the wheels out of the slight depression. It would seem that the facilities afforded by a good pavement on streets where the heaviest traffic is encountered, especially when the economy of maintenance is considered, would establish the necessity and economy of continuing the system of laying a section each year, until such streets as it may be thought desirable to pave shall have been completed.

#### CONSTRUCTION OF STREETS.

The only streets laid out and established during the season were Somerset, Date and Second street extensions. Somerset and Date streets, although not regularly built, have been used by the public for many years ; the Street Commissioner has commenced to construct the roadway as well as the walks and the work will probably be continued until completed. Second street has been partially built by the proprietor and it was not laid out until after the surface was deeply covered with snow ; the section of street laid out is from Cedar street to the southerly line of the Davenport land. There is a virtual extension of this street from the present terminus, southerly to Parker street, but it has not been laid out as such ; the section laid out this year, can be made quite safe and convenient at a comparatively small expense, and I have no doubt the necessary amount of work will be performed next season, although a portion of the street cannot be completed to grade economically except by filling from time to time with such waste material as may be obtained.

A schedule of property belonging to the Bridge Department is hereto annexed.

P. H. COOMBS,

City Engineer.

## Schedule of Property belonging to the Bridge Department.

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1 cross-cut saw.	4 pick handles.
1 steel bar.	1 iron square.
4 large oars.	2 pails.
1 pick pole.	2 short handle picks.
2 axes.	1 nail hammer.
4 pieces 1½ inch rope.	1 tool chest.
4 wheelbarrows.	4 lanterns.
6 short-handled shovels.	

Examined and approved.

GEO. A. DAVENPORT,

Committee on City Property.

# REPORT

## OF THE

# SUPERINTENDENT OF SEWERS.

BANGOR, MARCH, 1887.

TO THE CITY COUNCIL :

The Superintendent of Sewers herewith submits his annual report for the year ending March, 1887.

The receipts and disbursements of the Sewer Department for the municipal year are shown by the following exhibit, viz. :

### EXPENDITURES.

Amount expended on	Ohio street sewer,	\$2,226 00	
"	" " Hammond " "	1,956 56	
"	" " Cumberland " "	995 60	
"	" " Thom's Lane, "	334 06	
"	" " Meadow Brook, "		
	Market and Curve streets,	2,936 43	
"	" " Meadow Brook sewer,		
	above Stillwater Avenue,	1,435 70	
"	" " Davis Brook sewer,		
	Patten and Walter streets,	3,727 73	
"	" " Patten street branch sewer,	281 58	
"	" " Dole Court sewer,	549 09	
"	" " Sanford Brook sewer,	1,231 72	
"	" " Pine street, "	674 40	
"	" " French street, "	308 75	
"	" " in cleaning cesspools, construction of cesspools, man-holes, chimneys and other repairs,	9,078 26	
			25,735 88

### RECEIPTS.

Amount of appropriation,	\$16,000 00	
Assessments collected,	5,500 59	
		21,500 59
Overdrawn balance,		4,235 29
		\$25,735 88

## NEW SEWERS.

The Davis Brook sewer on Patten and Walter streets was the most extensive work of the department for the season, an estimate of the probable cost of a portion of this sewer, measuring 400 feet on Patten street was furnished by the City Engineer and that section was ordered to be built; subsequently an order was introduced at the request of property owners in this vicinity for the construction of the remaining section from Patten Street to connect with the Walter street sewer, a distance of 450 feet, which received a passage; the work authorized by the first order being then nearly completed, the Superintendent of sewers was directed to continue the work, contemplated by the second order which involved the construction of about 200 feet of sewer laid at a depth varying from 9 to 12 feet, the lower half of the trench being blasted out of the ledge and about 200 feet of sewer laid at a less depth. This unexpected and therefore unestimated section of 450 feet was ordered for the reason that it seemed to be a necessity and that the interests of the city demanded its construction as ordered, it was nevertheless added after the appropriation had been calculated and is responsible for about \$2,500.00 of the overdrawn balance. The size of this sewer is  $2\frac{1}{2}$  x  $3\frac{1}{2}$  feet, double brick and the length 830 feet, with 3 manholes.

Ohio street sewer was constructed from Cottage street to Fourteenth street and thence on the course of the brook leading to Kenduskeag Stream, a sufficient distance to afford a discharge at a point which would be the least objectionable to the nearest residents. The work consists of about 325 feet, 16x24 inch brick sewer, 1200 feet 12 inch pipe sewer, 4 manholes, 6 cesspools, 3 chimneys and 175 feet connecting sewer. A right of way was obtained from Mr. M. G. Rice, the proprietor of the land over which this outlet passes, and



if found necessary to extend the sewer in order to remove the point of discharge a greater distance from Ohio street, the location is provided for by the right of way.

Hammond street sewer extends from the Webster road on the west, to Pier street and from Johnson street on the east, to Pier street, connecting with Pier street sewer built at the same time and which has a temporary outlet in a small run, finally reaching Davis Brook. It will be necessary to extend this Pier street sewer at no distant day and it will eventually connect with Warren street sewer at Fifth street. The work completed consists of about 150 feet 16x24 inch brick sewer, 1363 feet 10 and 12 inch pipe sewer, 3 manholes, 7 cesspools, 1 chimney and 203 feet connecting sewer.

A section of Meadow Brook sewer was constructed in Market and Curve streets, having a temporary outlet at Curve street, where it discharges into the original channel of Meadow Brook. It is built of double brick  $2\frac{1}{2}\times 3\frac{1}{2}$  feet in size, 600 feet in length and has 2 manholes. A section of this sewer was also built from Stillwater Avenue to North Park street, of double brick  $3\frac{1}{2}$  feet circular in size, 300 feet in length and having 1 manhole.

Cumberland street sewer was constructed from Harlow street to a point near Center street. It is of 12 inch pipe, 800 feet long, with 2 manholes, 4 cesspools and 80 feet of connecting sewer.

Thomas Lane sewer connects with Thomas street sewer and was constructed for a distance of 427 feet; the size is 8 inch pipe.

Pine street sewer was constructed from Hancock street to York street, length 435 feet, 125 feet of which is 12x18 inch brick sewer and 310 feet of 10 inch pipe sewer; there are 2 manholes, 5 cesspools, 1 chimney and 120 feet connecting sewer.

French street sewer was constructed from Washington street to a point near Hancock street, and the length is 350 feet of 10 inch pipe sewer, with 1 manhole and 51 feet of connecting sewer. In building this sewer it was necessary to remove a section of Washington street sewer for a distance of about 75 feet and replace it at a lower grade, in order to obtain an outfall for the new sewer; the water main also had to be changed by raising it where the sewer crossed to admit of passing under it, and the aggregate cost of the sewer was materially increased by the work necessary to obtain this outfall.

Dole and Clinton Court sewer was constructed from Union to Clinton street; the length is 300 feet, 123 feet being of 16x24 inch brick sewer and 177 feet of 10 inch pipe. This sewer was an expensive one to build, owing to the great depth of the portion nearest Union street, which was excavated through made land; its importance, however, more than compensates for the outlay as the sewer provides drainage for the square bounded by Union, High and Clinton streets.

Patten street branch sewer was constructed to replace a damaged section of an old private sewer, running from Patten to Lincoln street, nearly parallel with and about 150 feet west of Main street; the city had partially appropriated this private sewer to its use, by the act of draining several streets into it which cannot be otherwise drained; the section rebuilt is across the property of G. I. Brown, who gave a right of way for its location, and it is probable that other proprietors will give a right of way for the continuation of this branch as soon as it becomes necessary to build another section.

Sanford Brook sewer was extended 400 feet southerly and the new section contains 1 manhole; the size is 2x3 feet, of double brick.

## EXTENSION OF INTERCEPTING SEWERS.

Since my last report much work has been done in this direction ; on Sanford Brook there now remains only 400 or 500 feet of open sewer. Davis Brook has been completed except the long section at its upper end.

Meadow Brook has been continued about as far as can be economically done until the Exchange street sewer is built to provide an outlet for it. It may be unnecessary for me to again call your attention to this subject, but it seems that with Meadow Brook sewer to be extended and with no outlet for it except Kenduskeag Stream, until some 4000 feet of large sewer is built from low water mark, through Exchange, Harlow and Curve streets to the present terminus, that the commencement of the work should not be delayed. An estimate of the cost of constructing a section of this sewer from the low water mark to Washington street, should be made as early as possible with a view to appropriating a sufficient amount for the construction of said section on such portion as the city council may decide upon. Most of our sewers lie at such degree of inclination as to ensure thorough drainage ; but this drainage with the exception of a comparatively small area on each side of the city, is discharged into Kenduskeag Stream, between Morse & Co.'s mills and the Railroad bridge, although some drainage is discharged above this limit. During the summer months, sewage matter accumulates upon the bottom of the stream, and lies exposed to the heat when not covered by tide water. Complaints have been entered to some extent, that it is a great annoyance, and an examination of the bottom of the stream during the past two seasons has disclosed the existence of a deposit of sewage matter, especially in pockets or low places on the bottom, in most cases mixed with sawdust or mud and in some instances measuring 12 or 14 inches in depth. With

the increasing use of public sewers this deposit will become a more serious evil. The spring and fall freshets give the bottom a thorough flushing each year but the matter which accumulates through the summer months, giving off volumes of poisonous gasses can only be removed, and thereby prevent its accumulation, by an intercepting sewer on each side of the city which shall discharge at low water mark in Penobscot river as shown and contemplated by the plan of the sewer system for this city.

#### REPAIRS.

The brooks and small water courses which are used as an outlet for some of the public sewers, have been cleaned and graded this season as in the past, and it is gratifying to be able to state that these open sewers are diminishing in number and length, owing to the construction of permanent sewers with which they are replaced. The system of flushing our sewers has also been continued. This work is performed by night when the water can be obtained without inconvenience to takers and when the streets are so little used as to facilitate the use of the hose required for the purpose.

Mention was made in my last report of the extensive use of public sewers as shown by the annual increase in number of house connections. For the year just past the number is nearly double that of 1885 and the demand still seems to be a growing one.

Ventilation by the manhole system has been extended on old sewers and no new ones have been built without this feature. The following is a list showing the nature and location of repairs made, viz. :

State street, corner of Park,	1 cesspool and connection built.
Merrimac street, corner of Hancock,	1 cesspool and connection built.
Hammond     "             "	Clark, 1 cesspool repaired.
Court         "             "	Clark, 1 cesspool and connection built.
High          "             "	Middle, 1 cesspool and connection built.

Cumberland St., corner of Market, 1 cesspool and connection built.  
 Hancock    "                      "    Exchange, 1 cesspool and connection built.  
 Stillwater Ave.,                      "    Elm, 1 cesspool and connection built.  
 W. Market Sq.,                      "    Main, 1 cesspool rebuilt.  
 George street                      "    Ohio, connecting sewer repaired,  
 Walter    "                      cesspool and connection repaired.  
 Front    "                      sewer repaired.  
 St. Michaels Court, corner of Second, 1 manhole built.  
 Elm street, between Stillwater Ave. and Garland, 2 cesspools built.  
 Forest Ave., between Garland and Mt. Hope Ave., 1 cesspool built.  
 Center street, opposite Willow, 1 cesspool built.  
 High street, opposite Middle, 1 chimney and connection built.  
 Union    "                      between Pond and W. Broadway, 1 cesspool built.  
 Harlow    "                      "    Center and Franklin, 1 cesspool.  
 Main    "                      sewer at City Farm, large outlet built across Main street.  
 City Common, connection built at south east corner to drain common.

A schedule of property belonging to the Sewer Department is hereto annexed.

P. H. COOMBS,  
 Superintendent of sewers.

### Schedule of Property belonging to the Sewer Department.

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1 water cart.	4 lengths hose.
1 mud cart.	1 hose pipe.
1 derrick.	1 hydrant wrench.
1 wheel and fall.	1 mortar hod.
1 small ladder.	3 brick hods.
1 short handle shovel.	16 lanterns.
1 rubber suit.	1 three-gallon oil keg.
1 pair rubber hip boots.	2 pieces $1\frac{1}{4}$ inch rope.
18 steel drills.	1 iron sewer scoop.
7 steel bars.	16 sewer arch moulds.
16 ledge spoons.	3 water hds.
2 steel wedges.	1 stone derrick.
2 striking hammers.	1 tackle and blocks.
22 pails.	2 derrick bars.
4 wheelbarrows.	1 iron bar.
4 pounders.	2 large stone hammers.
1 hand saw.	1 small stone hammer.
1 ax.	1 five-gallon oil keg.
4 mortar hoes.	1 hand hammer.
3 tool chests.	10 picks and handles.

Examined and approved.

GEO. A. DAVENPORT,  
 Committee on City Property.

# REPORT

## OF THE

# CITY UNDERTAKERS.

TO THE CITY COUNCIL :

The undersigned would respectfully submit the following report for the year ending March 1st, 1886.

PROTESTANT.		CATHOLIC.	
Died in March, 1886.....	35	Died in March, 1886.....	17
April, .....	29	April, .....	11
May, .....	13	May, .....	12
June, .....	15	June, .....	19
July, .....	34	July, .....	15
August, .....	32	August, .....	14
Sept., .....	18	Sept., .....	16
Oct., .....	20	Oct., .....	21
Nov., .....	16	Nov., .....	11
Dec., .....	17	Dec., .....	12
Jan., 1887.....	11	Jan., 1887,.....	13
Feb., .....	22	Feb., .....	10
	262		171

### AGES.

PROTESTANT.		CATHOLIC.	
Under 1 year, .....	38	Under 1 year, .....	30
From 1 to 5 years.....	14	From 1 to 5 years.....	20
5 to 10 .....	2	5 to 10 .....	9
10 to 20 .....	12	10 to 20 .....	9
20 to 30 .....	15	20 to 30 .....	12
30 to 40 .....	20	30 to 40 .....	17
40 to 50 .....	28	40 to 50 .....	14
50 to 60 .....	22	50 to 60 .....	14
60 to 70 .....	30	60 to 70 .....	20
70 to 80 .....	50	70 to 80 .....	14
80 to 90 .....	27	80 to 90 .....	12
Over 90 years, .....	4	Over 90 years, .....	
	262		171

## CAUSES OF DEATH.

PROTESTANT.		CATHOLIC.	
Consumption.....	29	Consumption.....	27
Fevers.....	16	Fevers.....	8
Apoplexy.....	5	Old age.....	21
Accident.....	14	Heart disease.....	16
Brain.....	7	Tumors.....	2
Cancer.....	7	Cancers.....	5
Congestion.....	5	Diphtheria.....	9
Cholera Infantum.....	5	Croup.....	2
Croup.....	2	Pneumonia.....	10
Diphtheria.....	2	Dropsy.....	2
Diabetis.....	1	Congestion.....	2
Dropsy.....	5	Other causes.....	62
Heart disease.....	24		
Inflammation.....	4		171
Kidney.....	8		
Liver.....	4		
Old age.....	19		
Pneumonia.....	19		
Paralysis.....	15		
Still born.....	8		
Suicide.....	6		
Scrofula.....	1		
Tumors.....	1		
Convulsions.....	5		
Other causes.....	50		
	262		
Remains brought to the city for interment.....			39
Remains carried from the city for interment.....			56
Interments at Mt. Hope cemetery.....			186
"    " Mt Pleasant, ".....			167
"    " Pine Grove, ".....			7
"    " Oak Grove, ".....			8
"    " Maple Grove, ".....			8
Catholics brought to the city for interment.....			23
Catholics carried from the city for interment.....			4

Respectfully submitted,

T. J. COLE, City Undertaker.

Bangor, March, 1887.

## BANGOR CITY COUNCIL :

The undersigned respectfully submit the following report for the year ending March 1st, 1887.

Died in March 1886.....	17	Under 1 year. ....	30
April, .....	11	From 1 to 5 years,.....	20
May, .....	12	5 to 10 .....	9
June, .....	19	10 to 20 .....	9
July, .....	15	20 to 30 .....	12
August .....	14	30 to 40 .....	17
Sept., .....	16	40 to 50 .....	14
Oct., .....	21	50 to 60 .....	14
Nov., .....	11	60 to 70 .....	20
Dec., .....	12	70 to 80 .....	14
Jan., 1887.....	13	80 to 90 .....	12
Feb., ....	10		
Total, .....	171		171

## DISEASE.

Consumption.....	27
Fever.....	8
Old age.....	21
Heart disease.....	16
Tumors.....	2
Cancers.....	4
Diphtheria.....	9
Croup.....	8
Pneumonia.....	10
Dropsy.....	2
Congestion.....	2
All other causes.....	62
	171
Remains carried from city for interment.....	4
Remains brought to city for interment.....	23
Interments at Mt. Pleasant.....	167

Respectfully submitted,

PATRICK QUINE.

Bangor, March 1st, 1887.



# REPORT

## OF THE

# SEWER BOARD.

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TO THE MUNICIPAL OFFICERS OF BANGOR :

In this, our second annual report, we again call your attention to the increased demand for sewerage caused by the introduction and extension of the Holly water system, for where ever the Holly water is extended and used there must be sewerage or a nuisance, and as the water system has been greatly extended during the past year, there will consequently be the necessity of a large increase of appropriations for sewers the coming year, for the health and comfort of the citizens require good sewerage ; therefore, wherever the water goes the sewers must follow. While the water system gives pure water, the sewer system gives pure air. In order to have these blessings the appropriations for sewerage for the next few years must be increased. The increase should continue until the trunk sewers are completed. During the past year \$16,657.62 have been laid out in constructing sewers, and \$9,078.26 for constructing cesspools, chimneys and manholes and cleaning cesspools, and flushing sewers, making the total expended \$25,735.88. Amount collected for assessments and for entry fees into old sewers is \$5,500.59.

This shows that the amount collected for benefits is much less than the city is authorized by law to collect, as it has a right to collect three fourths of the cost of the sewer. In

apportioning and reporting the assessed benefits, we have endeavored to do justice towards each one assessed, and the assessments have in most every instance been established by your Board as reported by us and have been accepted by the parties in all cases except of one sewer. Some of the parties were dissatisfied with the amount of their assessments for constructing the Ohio St. sewer and arbitration was had, and to our disappointment their assessments were reduced. We think that if the arbitrators had well understood the law and realized the benefits that the parties will derive from the sewer, that they would have sustained the assessments as established by your Board. These reductions, and the construction of the sewer from Patten street to Walter street and in Walter street, which we did under your order after work had been laid out sufficient to exhaust the appropriations, and in constructing the piece of sewer in the open space in Meadow Brook to preserve and prevent from destruction, the upper end of the sewer in that brook, which had already been built, are the cause of the overdrawing in this department. But for the building of this latter piece in Meadow Brook, that piece which had been built above would have been entirely destroyed this winter, and would have had to have been built over. The piece we built was at an expense of \$1,435.70.

A large amount of work will be called for in this department next year. A sewer has already been ordered to be built in Lincoln street, and petitions have been referred to us and surveys, estimates and reports have been made in favor of constructing sewers on Sixth street, Cedar street, Broadway, upper end, George street, Park street, Railroad street and Thomas street, and petitions have been referred to us for sewers on Pearl street, First street and Wiley street. No surveys or estimates have been made for these. There

are also petitions which have been referred to the Sewer Board for sewers on May street and Hammond street. As improvements are being made and new residences constructed in the vicinity of Sanford street sewer it will be necessary the coming year to complete that sewer.

This year sewers have been constructed in Hammond street which enters into a short piece of sewer constructed in Pier street. Pier street sewer now empties into a swale which will soon become a nuisance unless that sewer is extended, and as new houses are being built on said Pier street, there will be a call for the extension of the sewer on that street the coming year.

In our last annual report we called attention to the sewerage flowing into Kenduskeag stream and corrupting its waters. We would again call your attention to this matter for this nuisance cannot be tolerated a great while longer. The only way to remedy it is to construct a sewer from low water mark up through Exchange and Harlow streets and connect with Meadow Brook sewer in Curve street and also a sewer commencing at low water mark up through Broad street and connect with the Hammond and Main street sewers.

And we would recommend that the appropriations for the next year be made sufficiently large so that a beginning may be made on the Exchange street sewer, and build it from low water mark up to Hancock St. We have had the book made showing a record of each sewer built prior to 1887, which was referred to in our last annual report. The cost of this book was about \$300. This book shows the name of each person who has entered and paid, and those who have not paid and are liable to pay. It is a great aid to the Sewer Board, and it has already been the means of collecting much more than its cost.

There is another consideration why liberal appropriations should be made in the sewer department, which is, that it does not cost more than half as much to keep the streets in repair in which there are sewers, as it does those where there are no sewers. Besides, the street where there are sewers, in the spring of the year are free from honey-pots and quagmires. To illustrate, take Hammond St. from the bridge to Fifth St. through which a sewer runs. It is free from mud-holes in the spring, while from Fifth to Sixth streets, where there is no sewer, in the spring, at times it is muddy and almost impassable. A sewer through Broad St. would greatly reduce the expenses in keeping that street in repair.

The construction of sewers gives employment to a great many laboring men who otherwise would be out of employment, and gives us better streets and saves much expense in the street department, and is conducive to the health and comfort of the citizens. It is a department in which the City Council can well afford to be liberal in its appropriations, for the money expended in the construction of sewers is about all distributed among the business men, tax payers, and citizens of Bangor.

A. L. SIMPSON,	}	Sewer Board.
M. G. RICE,		
C. L. MARSTON,		

# REPORT

OF THE

## STREET COMMISSIONER.

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BANGOR, March 18, 1887.

TO THE CITY COUNCIL:

The Street Commissioner herewith respectfully submits a brief report of the work done in his Department for the past year, together with a statement of the receipts and expenditures and a schedule of all property belonging to the Department. About the usual amount of general repairs to the highways have been made, among which the work on upper Broadway may be specially mentioned; the grade of "York's Hill" has been quite largely reduced, and the hollow at the foot of the hill, which in wet seasons was overflowed with water has been filled up. According to the order of the County Commissioner, Howard street has been extended to Mt. Hope Avenue, and a road built through the rear part of Mt. Hope Cemetery to the Veazie line, connecting with the road built to that point by the town of Veazie. In constructing this road, and in the general repairs to other roads, eighteen stone, and eight wooden culverts have been built, most of them under the immediate supervision of the Street Commissioner. Two hundred and seventy-one barrels of coal tar have been used in constructing and repairing concrete walks, of which the usual amount has been laid. On account of heavy and frequent snow storms the snow plows

have been called out nineteen times during the present winter, clearing each time over one hundred miles of sidewalk. Four hundred and five loads of sand have been spread on icy walks. Roadbreaking on the outroads has been not more than usually heavy, but the large expense incurred in breaking roads after the great storm in February 1886, has been paid out of the appropriation of the present year. The City continues to labor under the disadvantage of being obliged to purchase all the gravel used on the streets. I would renew my recommendation of last year, that the City as soon as practicable acquire either by purchase or lease, a gravel bed to be under its own control; by this means the large annual expense for gravel would be materially lessened. A large extent of out roads will require attention during the coming season, and quite an amount of turnpiking will have to be done. The purchase of a pair of horses last spring has greatly facilitated the work of the Department.

I wish to extend my thanks to the mayor, to the members of the Committee on Streets and Highways, and to the City Engineer for the many courtesies shown me by them.

#### RECEIPTS.

Amount of appropriation.....		\$20,000 00
Charged Incidental Department, labor of men and teams.....	138 50	
Water Department, same.....	17 00	
Pauper Department. manure.....	155 00	
Received assessments for concrete walks.....	559 83	
for pork sold.....	166 95	
for use of derrick.....	31 85	
from sundry persons, labor of men and teams.....	30 05	
	<hr/>	1,099 18
Errors in orders.....		16 25
Balance overdrawn.....		2,128 23
		<hr/>
		\$23,243 66

## EXPENDITURES.

Salary of Street Commissioner .....	\$800 00	
Street Engineer.....	150 00	
Labor of men on streets and sidewalks.....	15,716 20	
Paid for hay, straw, hardware, repairs to carts and sundry items.....	5,861 21	
Paid for pair of horses.....	700 00	
	<hr/>	23,227 41
Error in order credited above.....		16 25
		<hr/>
		\$23,243 66

R. S. PAGE,

Street Commissioner.

## Schedule of Property belonging to the Highway Department.

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13 horses.	9 new pick handles.
Black Pete,	2 cross cut saws.
Black Nigger,	2 buck saws.
Gray Horse Frank,	2 axes.
White Mare Jennie,	2 grab bars.
Red Horse Sam,	5 crowbars.
Gray Horse Frank,	1 set large blocks.
Red Horse Charley,	1 set small blocks.
George,	5 walk scrapers.
Charley,	1 bench vise.
Jack,	6 digger forks.
Dock,	6 iron rakes.
Jim,	3 wheelbarrows.
Sorrel Mare Betsey.	1 tar kettle.
6 pairs double harnesses.	1 tar ladle.
1 pair lead harnesses.	1 sand screen.
2 single harnesses.	1 hand saw.
12 blankets and surcingles.	1 split saw.
12 halters.	7 augers.
6 cart saddles.	3 scythes.
10 chain harnesses.	2 planes.
5 sets lead rigging.	1 bit stalk.
6 pole chains.	4 bits.
6 stone chains.	1 draw shave.
2 bridle chains.	1 bench hammer.
6 sets whiffletrees and chains.	1 chisel.
6 large plows.	1 gauge.
1 small plow.	1 square.
1 side hill plow.	3 office chairs.
6 snow plows.	1 office lounge.
1 new road machine.	2 stoves.
1 old road machine.	10 pails.
5 wagon sleds.	5 dung forks.
4 long sleds.	2 hay forks.
1 single sled.	10 lanterns.
7 dirt carts and wheels.	1 large light.
3 one horse dirt carts.	1 grindstone.
2 double jiggers.	2 road scrapers.
1 single jigger.	3 plank scrapers.
24 picks.	1 pung.
32 long handle shovels.	2 stone rollers.
20 short handle shovels.	1 iron roller.
10 hand drills.	2 drags.
1 hand hammer.	2 middle chains.
8 large drills.	2 lead draft chains.
1 spoon.	2 long yokes.
2 striking hammers.	3 wrenches.
3 paving hammers.	5 shoters.
1 brick hammer.	1 office desk.
4 pave pounders.	1 office lamp.



*Schedule Continued.*

1 garden spade.  
1 oil keg.  
1 oil can.  
2 harrows.  
1 clock.  
1 grub hoe.  
1 office broom.  
1 sprinkler.  
2 curry combs.

3 brushes.  
2 cards.  
8½ tons hay.  
1½ tons straw.  
Fence boards.  
7 m. Culvert lumber.  
2 pairs long rubber boots.  
1 derrick and rigging.

# REPORT

## OF THE

# CITY SOLICITOR.

---

### TO THE CITY COUNCIL :

I have the honor to respectfully submit the following report of the legal proceedings in which the city of Bangor has been interested since March 22nd, 1886.

Ellen R. Brown vs. City of Bangor. The facts in this case and the nature of the action are fully set forth in the Annual Reports, for the municipal year of 1885-6 pages 200 and 201. This case was assigned for trial at the April Term of the Supreme Judicial Court, at Bangor 1886, and I was in court on the day of the assignment ready for trial, but it was allowed to stand for three days because of the absence of the defendant's attorney in attendance upon Court in another county, but upon his return, I insisted upon a trial at once, and it resulted in an agreement to enter the case neither party and no further actions for the same cause, and the case was so disposed of at the April Term, 1886.

Thomas N. Egery et als. in Equity, vs. City of Bangor. This case was reported in my last annual report, see Reports for the municipal year of 1885 and 1886. Up to the date of this report no legal representative of the late Thomas N. Egery has appeared in the case, it therefore stands as it did at the time of my former report.

City of Bangor vs. City of Ellsworth. The nature of this action was fully set out in my report for the municipal year

of 1885 and 1886, page 202. I prepared this case for trial, and was ready for trial at the April term of court 1886. The result was that the case was settled with the Overseers of the Poor of Bangor and the money turned into the city treasury, and I therefore had the action entered "neither party."

City of Bangor vs. Inhabitants of Dixmont. As to the nature of this action I beg leave to refer to my former report on page 202 of Reports for the municipal year of 1885 and 1886.

I had been led to believe that this action would be settled without a trial and so believed up to the sitting of the Court at the April term 1886, when the defendant came into court and demanded a trial, and as I learned that they claimed that the City must prove a legal marriage in the case, I was obliged to ask for a continuance of the cause in order to send to Nebraska and get the deposition of the widow of one George A. York, to prove his death. I completed taking testimony in the case so far as the taking of depositions were concerned, and was ready for trial at the Oct. term, but as the defendant was not ready, I procured an assignment of the case for trial at the first day of January term last, and a trial was commenced on that day and continued for four days and resulted in a verdict for the City of Bangor for all that was claimed, and a settlement of the question, that the five paupers named in the suit, to whom the supplies sued for were furnished, had their pauper settlement in the Town of Dixmont, and not in Bangor. The defendants filed a motion for a new trial, but have since paid me the full amount of the debt and costs of suit, which has been turned into the city treasury, and the agreement is that the following entry shall be made in the case at the April term of court, viz; "Motion withdrawn, judgment on the verdict, judgment satisfied."

After spending much time and preparing the case for trial,

I felt it my duty to present its situation and lay the facts before his Honor the Mayor, and let him decide the question as to whether I should try the case alone or have some attorney to assist me in the trial. I told him that I was willing to try the case alone, but as it was a case of importance to the city, involving the pauper settlement, and future support of five persons, and that there were two very able lawyers employed by Dixmont in the case, I therefore felt that I should not be doing my duty to the city if I did not lay the matter before him. The Mayor decided to employ C. P. Stetson Esq., to assist me and what we had to contend with during the four days of the trial satisfied me that the best interest of the city was protected thereby.

City of Bangor vs. Inhabitants of New Portland. This was an action for pauper supplies furnished to one A. J. Cunningham and his family during February and March, 1885. I obtained judgment at the April term 1886, for the full amount claimed and took out execution therefor, which has since been paid in full and turned into the city treasury, and the execution has been discharged and sent to the defendants.

City of Bangor vs. John P. Parsons, of Dakota. The amount claimed in this case which is explained in my report on page 204 of Reports for the municipal year of 1885-6, has been paid to me and the same turned into the city treasury, and the action was entered neither party at the April term of Court 1886.

City of Bangor vs. Inhabitants of Monticello. This was an action for pauper supplies furnished to one Thomas Pooler and his family. The amount claimed with cost of the suit has been paid and turned over to the Overseers of the Poor of Bangor and the action was entered neither party at the April term of court 1886.

City of Bangor vs. Patrick Flannigan. This action is a petition under the provisions of the statute to recover for the support of a daughter at the Alms House, amount claimed is \$140.00. Complaint dated August 30, 1886, and was entered at the October term of Court at Bangor. Was answered to and continued to the January term, and was at that term continued to the April term, at the suggestion of the Judge and attorney for the defence that a settlement might be made before the April term. It is hoped that the case may be settled without a trial, as the Overseers are willing to make some discount on account of facts that seem to justify such action.

City of Bangor vs. Mount Desert Fertilizer Company. This was an action to recover a tax assessed against the steamer Dolphin for the year 1885 amounting to \$65.00. Writ dated December 13th, 1886, and the action was entered at the January term of court in Bangor. This action was answered to and continued to the April term, but the tax and cost of suit has since been paid to the City Treasurer, therefore the action is to be entered neither party at the April term.

Louisa Batchelder vs. Benjamin Jackson. This is a real action to foreclose a mortgage upon a certain lot of land located on the Odlin Road in Bangor, that was given by said Jackson to secure an agreement for the support of his father and mother. Mr. Jackson had performed his part of the agreement up to the time he became insane and was sent to the Insane Hospital in September last.

David W. Potter was appointed his guardian on petition of the Mayor for the purpose of protecting what interest he had in this property, and when this case was entered at the October term of court last, I appeared and suggested the insanity of the defendant. Negotiations are now in progress

for a settlement of the case, and it is expected it will be settled before the April term of court, otherwise it will be in order for trial at said term.

City of Bangor vs. Felix Quinn. The City of Bangor claims that said Quinn in erecting a house at the junction of Main and Patten streets, built a portion of the same over the line of Main street. The question in dispute has been referred, by a mutual agreement, to Chief Justice Peters, as referee. It has not yet been heard, first, because of the engagements of the Chief Justice, and since, because of my engagements, and absence in Augusta on business for the city, relative to the excise tax. I am in hopes that the case will now be disposed of without delay.

In conclusion I have to say, that in addition to the matters hereinbefore enumerated, I have been frequently called upon to render my official opinion upon questions submitted to me by the heads of the several departments, the taxation of imported property, to attend to matters of interest to the sewer department, the settlement of question of hack stands at the depots, and other minor matters where my official services have been requested ; all of which have received my prompt attention and such aid as my ability would permit me to give. I have not mentioned the several tax suits, and collections and other matters that I assume will be presented in reports of departments.

Respectfully submitted,

HENRY L. MITCHELL, City Solicitor.

# REPORT

## OF THE

# CITY PHYSICIAN.

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TO THE HONORABLE MAYOR AND CITY COUNCIL, BANGOR :

Gentlemen :—I have the honor to submit the following report for the year ending March 15th, 1887.

I have received nineteen notices from the School Agent, to investigate reported cases of diphtheria. The children in these families were ordered out of school and all necessary precautions taken to prevent the spread of the disease.

I found thirty-one cases of diphtheria, fourteen resulting in death. This death rate would have been much lower if all the mild cases had been reported. Three cases of scarlet fever and three of chicken pox were also reported, and disposed of in the same manner. Nearly all of the cases of diphtheria occurred in the poor and thickly settled parts of the town and were due undoubtedly to bad surroundings. They were all in the immediate vicinity of yards and out houses poorly drained and where the wells, as is generally the case in such a community, are full of impurity and never suitable for household purposes.

Investigation places the fact beyond question that infectious diseases arise from poor drainage, (which means filth) privy vaults, and indirectly at least from wells. Such conditions being the only requirement for the propagation and continuation of contagious diseases.

At present the measles are prevailing to quite an extent

among school children, mostly on the east side. None of the cases were reported as they were largely without professional attendance therefore no measures were taken to prevent spreading the disease. As this is a very contagious disease occasionally resulting in death and breaking up our schools, parents and teachers should be compelled to report the same to the proper authorities that a quarantine may be established. The present method of treating contagious diseases established by city ordinance, though yet imperfect, is of great value and would be much more so if physicians would not ignore or neglect the work and if they would report their cases earlier.

It is almost impossible for them to occur in a neighborhood having good water, drainage and plenty of sunlight. This can be demonstrated by supplying every family in the crowded parts of the town, (either at their own, or as would perhaps be necessary in a few cases at the City's expense) with Holly water and public drainage. This would of course abolish privy vaults and wells.

If in this way even fifty lives could be saved annually, is it not worthy our consideration? Much credit is due the health officer, Mr. John Goldthwait for his efforts in preventing the spread of diptheria. One hundred and seventy-four children have been vaccinated.

#### HOUSE BUSINESS—CITY FARM.

Number of visits.....	539
“ “ prescriptions, (sent to Druggists).....	19
“ “ different patients treated.....	78
“ “ deaths.....	6
“ “ births.....	3
Amount charged.....	\$663 00

#### OUT BUSINESS.

Number of visits.....	179
“ “ office calls.....	127



Number of patients treated.....	64	
“ “ deaths.....	3	
“ “ births.....	1	
Amount charged.....		\$554 00
Whole number of visits.....	845	
“ “ “ patients.....	142	
“ “ “ deaths.....	9	
“ “ “ births.....	4	
“ amount of business.....		\$1,217 00

I have put up several hundred prescriptions at the Dispensary and these when single were often refilled by the Superintendent or his assistants consequently have made no account of them. I was called upon to treat but one case of Diphtheria. This case was removed to the City Farm and there died. The death rate has been unusually small. At the City Farm the average number of deaths for the last seven years is twelve including those of this, which were only six.

EVERETT T. NEALEY,

City Physician.

# REPORT OF THE HEALTH OFFICER.

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TO THE CITY COUNCIL :

I herewith submit my second annual report of the doings of the Health Department of the city of Bangor, for the year ending March, 1887. I am happy to congratulate you and the citizens of Bangor on the general good health of our city. During the past year we have had some cases of diphtheria and typhoid fever, but nothing in the form of an epidemic. There have been but fourteen deaths from diphtheria. There have been quite a number of sudden deaths and a good many old people have died during the year, but considering the number of our population I think the death rate has been comparatively small, the total number of deaths during the year being four hundred and six.

I think our citizens realize more and more each year the blessing of a good supply of pure water, and I hope that every citizen will see the importance of having their own dwellings, as well as the houses they have for rent, supplied with water and water closets.

During the past year there has been built seventeen thousand feet of sewers, the most important of which, in a sanitary point of view, are those on Cumberland street, Thomas Lane, and the lower end of Pine street. Also the addition to the Patten street, or Davis Brook so called. Those places were very filthy and unhealthy localities, to which people living in that vicinity would testify.

About one hundred house and sink drains have entered the sewers this year, which has added much to the health and cleanliness of the city. I hope the incoming city government will see the importance and necessity of commencing this year an intercepting sewer at the foot of Exchange street to remove the east side drainage from the Kenduskeag stream, into which all the filth on the east side now empties, polluting its waters and sending disease and death through all parts of the city. What ought to be done, if the finances of the city would permit, would be to build an intercepting sewer from the foot of Exchange street through Exchange and Harlow streets, to connect with the Meadow brook sewer at Curve street.

The Sixth street sewer should be extended through Warren street, the extension to connect with the Fifth street sewer, this being also a very filthy locality. A sewer is very much needed on Broadway, from Stillwater Avenue to the Brown houses, so called, this place having nothing but surface drainage which makes it very filthy and dangerous to health. I hope one may be built there early this spring.

A sewer is also very much needed on Cedar street, from Second to Sanford street, to take care of house drainage. A small sewer is also needed on Patrick street, from York to Hancock street, this being a bad place. Sewers are also needed on George, Thomas, and Park streets, and all the above places should be looked after. I am glad to note the attention still being paid to the sanitary condition of our school houses.

During the past year water was been introduced into the school house on Prospect street, together with a nice arrangement of water closets. Water has also been introduced into the one on Pearl street and the great need now is sewerage and water closets for the same. The school house on Bower

street needs water and water closets and I hope the matter may be attended to the coming year. The school houses are fast attaining a fine sanitary condition.

I find our Alms House, this year as last, kept in an excellent sanitary condition. The pest house, during the year, has stood in solitary grandeur, no use whatever having been required to be made of it. I would again urge upon your attention the necessity of some public urinals, the want of which is much felt in our city.

In closing I wish to express my hearty thanks to our citizens who have, almost without exception, so readily and promptly co-operated with me, and to the city government and officials with whom I have been connected for their kindness and the aid they have afforded me in performing my duties as Health Officer.

Respectfully submitted,

JOHN GOLDTHWAIT, Health Officer.

BANGOR, March 12, 1887.

# REPORT OF THE TRUANT OFFICER.

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CITY OF BANGOR, MARCH 12, 1887.

TO THE CITY COUNCIL:

The work of the Truant Officer for the past municipal year is as follows.

Scholars hunted up and parents or guardian interviewed where the result was subsequent attendance.....	118
Scholars arrested and taken directly to school.....	22
Scholars arrested and temporarily looked up and let off on promise of future attendance.....	19
Scholars prosecuted and let off by Judge of Police Court on promise to him of future good behavior.....	1
Sent to Reform School.....	1

This last one named was an aggravated and incorrigible case of truancy, and after causing a great amount of trouble was convicted and sentenced to the Reform School for the rest of his minority. In February a letter was addressed to the Superintendent of that institution inquiring for the welfare of the boy and received in reply from him and the teacher of the boy a statement that a marked change had come over him. He was taking great interest in his studies, had made good progress, was obedient and respectful, standing number one in deportment, had learned to be cleanly and neat about his person and was one of the very best boys in the school.

It should be said in explanation of the arrests above named, that they do not represent so many different individuals, the same ones often receiving repeated attention, and nothing but pushing them with the penalties staring them in the face will keep them in attendance.

Respectfully,

S. P. BRADBURY, Truant Officer.

**REPORT**  
OF THE  
CITY MARSHAL.

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CITY MARSHAL'S OFFICE,  
BANGOR, MARCH 1st, 1887. }

TO THE CITY COUNCIL :

I herewith respectfully submit my second annual report of the Police Department for the municipal year ending March 1st, 1887.

There has been no change in the force of this department from that of the preceding year and only a slight change in the assignment of hours of duty.

The department of the force has been good and all requirements have been promptly and cheerfully complied with.

The following table, not only gives the whole number of arrests, but the number in each month and the offences committed. The whole number arrested for all causes is 1094, including 813 for drunkenness and drunkenness and disturbance. The number of arrests for all other causes is only 284, about two thirds the number as compared with arrests for corresponding offences of the preceding year, showing, as I think, that the prompt arrest for drunkenness tends to diminish the perpetration of other offences. Two persons have been sent to the Insane Hospital and one boy to the Reform School.

Search and Seizure warrants have been executed in forty-one cases, thirty-eight of which have resulted in the conviction of the parties and sentence to pay fine of \$100 each and costs, and in default of payment 90 days imprisonment. In the above cases, 176 gallons of liquors were seized and by order of the Mayor and Aldermen after being declared forfeited were destroyed. In the remaining three cases the officers serving the warrants reported "nothing found."

Seven warrants against persons for single sales resulted in their conviction and the usual sentence of payment of \$30 and costs. I have continued to present the Temperance Pledge, 387 discharged persons having signed it during the year, not always with the desired results, but in many cases has helped to restrain them from drunkenness.

For receipts and expenditures of this department I would respectfully refer you to the report of the City Treasurer, in which you will find an unexpended balance to its credit of about eight hundred dollars.

The number of places of business found by the Night-Police unlocked and insecure is 113, forty-eight of which are on the east side, and sixty-five on the west side. The amount of goods left out at the stores on closing them for the day, and found by the Police has been far less than in former years, owing in a great measure to a commendable arrangement between many of our business men, not to exhibit their goods on the sidewalk in front of their stores.

The amount of stolen goods recovered, resulting from store breaking last fall, and during the early winter, in the suburbs of the City and in adjacent towns, though of little value when compared with the amount stolen, still, is sufficient to warrant indictments in eleven cases. Articles having been identified by their owners in that number of cases.

In closing this report, I would again with much pleasure, make acknowledgement of the continued kindness and courtesy extended to me by all with whom I have been associated in the discharge of my official duties.

GEORGE W. WHITNEY,  
City Marshal.





**REPORT**  
OF THE  
CHIEF ENGINEER OF THE FIRE DEPARTMENT.

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TO HIS HONOR THE MAYOR AND CITY GOVERNMENT.

Gentlemen :—In accordance with the requirements of the Ordinance governing the Fire Department of this City, I have the honor to present my tenth annual report.

The Department now numbers ninety-four men, viz : One Chief Engineer, three Assistants, eighty-five hosemen fifteen ladder men, one Engineer of Steamers, one fireman, and three drivers.

APPARATUS IN THE DEPARTMENT.

The apparatus of the Department consists of three steam fire engines, four hose carriages hauled by hand and one by horses, one ladder truck hauled by horses, two hose carriages in reserve. In this connection I would recommend a new boiler for one steamer deeming it for the best interest of the Department that all the steamers should be kept in good condition, and always available for use.

There are seventy-two hundred feet of hose in the department, four thousand feet of which is old and unreliable. I would recommend the purchase of five hundred feet of cotton hose during the coming season.

The houses are in a fair condition but not adequate to the needs of the department as they were built for the use of hand engines and are not adapted to the present system.

There are twenty-eight reservoirs, sixteen built of brick,

twelve of wood. Those built of brick are all in good condition, with the exception of one located at the corner of Summer and Cedar streets, which has leaked ever since it was built. The wooden ones have all been kept in repair and are generally in good condition.

There has been added to that very valuable auxiliary the fire alarm telegraph system during the last municipal year, ten new boxes and one striker, making a total of twenty-eight boxes and four strikers in the city which meets the demands for the present, in the city and suburbs.

There has been twenty-eight calls on the department during the year, the smallest number since my connection with the department. There has been eight fires with an estimated loss amounting to \$5,290, one fire in which the loss as yet has not been adjusted. Nineteen calls in which there has been no loss, or none estimated. The causes of the fires are as follows: two caused by explosion of lamps, two by defective chimneys, one by lightning, one by furnace and two unknown.

The receipts from all sources are as follows:

Amount of Appropriation .....	\$16,500 00	
Received from sale of hose.....	40 00	
“ “ “ “ .....	45 00	
Highway Department, hire of horses.....	150 00	
	<hr/>	\$16,735 00
Balance overdrawn.....		707 09
		<hr/>
Total.....		\$17,442 09
Expenditures.....	\$17,442 09	

I desire to say that in the opinions presented by me in my last report, under the head of suggestions I still adhere to, believing if adopted, they would be for the best interest of the Department, and I would again call your attention to the matter, trusting it may receive your careful consideration; and in addition, and for the purpose of promoting the effici-

ency of the Department, feeling it would be a wise, economical and beneficial measure. I would recommend the appointment of such number of men as it may be deemed advisable, and to constitute what may be called a protective, or salvage corps, to be equipped with rubber blankets, and such other articles as may be required, and supplied with a team to convey the same, whose duties shall be to attend all fires and protect the property. This system as applied in most all large cities, has proved to be a very valuable acquisition to the Department. In conclusion I desire to express my thanks to the members of the Department for the interest they have at all times manifested in the welfare of the Department, and their devotion and uniform readiness shown during the year, and especially to His Honor the Mayor, City Government, Board of Engineers, Chairman and Committee on Fire Department.

Respectfully submitted,

OTIS D. MADDOCKS,  
Chief Engineer.

# FIRE DEPARTMENT OF BANGOR.

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OTIS D. MADDOCKS, Chief Engineer.

JOHN MASON,  
S. A. FELLOWS.                    }  
MATTHEW MORIARTY,            } Assistant Engineers.

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## HOLLY WATER WORKS.

Consisting of  $23\frac{1}{2}$  miles street mains, 156 post hydrants.

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## COMPANIES COMPOSING THE DEPARTMENT.

Union Hose, No. 1.....	25 men
Holly Hose, No. 7.....	15 men
Elijah Low Hose, No. 8.....	15 men
Eureka (Volunteer) Hose, Cottageville.....	15 men
Champion Hook and Ladder, No. 2.....	16 men
<hr/>	
Total.....	86

## AT STEAMER'S HOUSE—HARLOW STREET.

Joseph Merritt.....	Engineer of Steamers
F. Quimby.....	Fireman
Ambrose Merrill.....	Steward and driver of Hose Truck
Hezekiah Buzzell.....	Driver of Steamer

This house is connected with the Water Works by Telegraph. Also over the city by Telephone.

## PROPERTY IN STEAMER'S HOUSE—HARLOW STREET.

Steamer Union No. 1.	2 sinks,
Steamer Victory No 2,	1 hemp carpet.
Steamer Liberty No. 4,	9 engineer's caps, belts and trum-
5 horses,	pets,
3 sets double harnesses,	5 hose arbors,
1 two-horse sled with hose sled,	3 chisels,
4 buckets.	2 oil cans,
4 axes.	1 crow bar,
1 machine lathe and chuck,	1 cross bar,
2 sets whiffletrees,	1 anvil,
1 heave line,	5 hammers.
5 pair blacksmith tongs,	2 screw plates,
1 forge.	2 nippers.
1 rivet set,	2 hose punches,
1 set hammer,	3 coal hods;
3 saws.	1 duster and brush.
1 12-inch splitting machine,	1 coal shovel.
1 pair tin shears,	30 rubber coats.
3 oil cans.	3 round drills,
1 thirty-gallon can,	1 drill chuck.
1 heating apparatus, (steamers)	1 30-inch double Backus water
1 sledge block,	motor.
1 spare pole for steamer,	1 line shafting, 13 feet long,
1 mandrel cone,	1 flue set,
1 stock.	3 hangers in running order,
6 bits,	1 marline spike,
1 inch expansion bit,	1 hydrant.
2 planes.	2 wrenches,
1 draw-shave,	9 square drills,
3 heading tools,	48 cups,
1 drill.	10 cast steel turning tools for lathe,
3 stoves,	3 hose coupling tops,
2 tables,	2 pine tops.
13 chairs.	1 compass saw.
2 bedsteads and clothes,	1 filing clamps.
2 bed lounges.	1 powder grind stone,
2 woolen carpets,	1 steam guage on motor.
1 desk,	

## PROPERTY IN UNION HOSE COMPANY'S HOUSE.

25 rubber coats. 37 hose hats,	1 flag and halyards,
26 belts. 26 set spanners,	4 hose brushes,
1 four-wheel hose carriage.	1 tub,
1 two-wheel hose carriage,	1 oil can,
3 stoves,	1 door gate,
3 oil drips, 5 oil cans,	1 hand lantern,
2 axes.	1 set blocks and falls,
2 hose reels,	2 carriage jacks.

2 shovels,	1 sprinkler, 2 brooms,
1 pump, 2 pails,	2 dust pans,
1 hammer, 1 screw driver,	2 dusters,
2 sponges,	15 chairs,
2 carriage wrenches,	1 monkey wrench,

## PROPERTY IN ELIJAH LOW HOSE CO'S, NO. 8—STATE STREET.

1 four-wheel hose carriage,	15 pairs spanners,
1000 feet hose,	3 stoves,
1 two-wheeled hose carriage,	1 coal hod,
3 hose pipes,	1 shovel,
1 wrench,	1 broom,
1 jack,	2 oil cans,
15 rubber coats,	15 chairs,
15 fire hats,	1 table,
15 belts,	1 lantern.

## PROPERTY IN HOLLY HOSE COMPANY'S HOUSE—HAMMOND STREET.

1 carriage,	1 jack,
500 feet hose,	2 lanterns,
15 hats,	1 oil can,
15 coats,	1 screw driver,
15 spanners,	1 wrench,
25 feet small hose,	2 new ladder straps,
14 chairs,	1 old ladder strap,
1 table,	1 pail,
1 stove,	1 wash dish,
1 settee,	1 sprinkler,
1 large shovel,	1 hose reel,
1 small shovel,	1 broom,
2 large pipes,	1 duster,
1 small pipe,	1 hydrant wrench.

## PROPERTY IN CHAMPION HOOK AND LADDER'S HOUSE—STATE STREET.

3 extension ladders,	2 harness,
2 28-feet ladders,	1 ladder tuck,
1 26-feet ladder,	1 set sleds,
1 24-feet ladder,	2 blankets,
1 20-feet ladder,	2 halters,
2 16-feet ladders,	1 flag and halyards,
1 17-feet ladder,	1 sprinkler,
2 12-feet ladders,	2 stoves,
1 26-feet ladder, (old)	1 rake,
1 12-feet ladder, (old)	1 fork,
2 large hooks,	2 brooms,
11 small hooks,	2 oil cans,
6 axes,	1 duster,
1 crowbar,	1 sink,
2 wrenches,	1 oil lamp,
5 lanterns,	2 pails,
20 fire hats,	2 torches,
16 rubber coats,	1 carriage jack.
2 horses,	

PROPERTY IN EUREKA HOSE COMPANY'S HOUSE, NO. 9—COTTAGEVILLE.

1 two-wheeled hose carriage.	1 hydrant wrench.
500 feet cotton hose,	2 stoves,
14 rubber coats.	3 ladder straps,
15 hats,	2 hose pipes,
9 belts,	1 axe.
11 spanners,	

The whole amount of hose on hand at present is 7,500 feet.

GEO. A. DAVENPORT,	}	Committee on City Property.
CHAS. W. COFFIN,		



**REPORT**  
OF THE  
COMMITTEE ON CITY PROPERTY.

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BANGOR, MARCH 18, 1887.

TO THE CITY COUNCIL :

The Joint Standing Committee on City Property respectfully submit the following as a full schedule of all property belonging to the City of Bangor :

Lot on the corner of Columbia and Hammond streets.

City Hall, lot and buildings.

Common, Forest Avenue.

Common, Broadway.

City Farm and buildings.

One Powder House, City Farm.

Lot corner Cedar and Main streets—"Davenport Square."

School house lot Essex street, adjoining the Hill Farm.

Union Square, between Cedar and May streets.

One gravel lot on Pine street.

do near Merrill's Mills.

do Essex street.

do Court street, near City Stables.

do between old Levant road and Valley Avenue,  
near Kossuth street.

One undivided half of house lot on Lincoln street, 6,400  
feet of land.

Central Park.

School houses and lot Abbot Square, and new lot adjacent recently purchased.

Grammar school house and lot corner of Union and Fourth streets.

1 school house and lot on Bower street.

1	do	do	Cedar street.
1	do	do	Centre street.
1	do	do	City Farm.
1	do	do	Division street.
1	do	do	Forest Avenue.
1	do	do	Grove street.
1	do	do	Hancock street.
1	do	do	Larkin street.
1	do	do	Main street.
1	do	do	Pearl street.
1	do	do	Prospect street.
1	do	do	Salem Court.
2	do	do	State street.
1	do	do	Third street.
1	do	do	Thomas' Hill.
2	do	do	Union street.
1	do	do	York street.
1	do	do	West Bangor.
1	do	do	Avenue district.
1	do	do	Bagley district.
1	do	do	Central district.
1	do	do	Finson district.
1	do	do	Fuller district.
1	do	do	Hillside district.
1	do	do	Mount Hope.
1	do	do	North Bangor.
1	do	do	Odlin district.
1	do	do	Sherburn district.

1 school house and lot, at Six Mile Falls.

1      do      do      Stillwater Avenue.

1      do      do      Tyler district.

1 school house lot on Pine street.

Furniture and fixtures in City Hall.

Library and engineering instruments.

Weights and measures in hand of Sealer.

Four street sprinklers.

Safe in Treasurer's office, safe in Assessor's office, and safe  
in School Agent's room and in City Agency, also in  
Overseer's of Poor office.

Receiving tomb at Mount Hope.

Cemetery lot at Mount Hope.

“      “      “Oak Grove.”

“      “      “Maple Grove.”

“      “      “Pine Grove,” Carmel road.

Five hearses with wheels and runners.

One engine house and lot on Harlow street.

One engine house and lot on State street.

One building on Columbia street used for Police Court,  
Station House and offices.

For schedule of property belonging to Fire Department, see  
report of Chief Engineer.

For schedule of property belonging to the Alms House, see  
report of Overseers of the Poor.

For schedule of property belonging to Street Department,  
see report of Street Commissioner.

Dam and Water Works at Treat's Falls.

GEO. A. DAVENPORT, } Committee on  
CHAS. W. COFFIN,    } City Property.

# REPORT

## OF THE

# COMMITTEE ON GAS.

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The City of Bangor effected a contract with Bangor Gas Light Company, of Bangor, dated July 1st, 1884, for one year, at thirty dollars (\$30.00) per annum for each and every lamp in use, to burn from dark P. M. to daylight A. M. every night in the year. The City also contracted with the Boston Globe Gas Company, dated Oct. 1st, 1884, for all Globe gas lights. The number to be not less than seventy-five (75) lights at 7½ cents a night for each light. The number of nights to be not less than twenty-five in each month. These contracts were renewed for the year ending April 1887. A contract was also made with the Bangor Electric Light and for 21 arc lights, for three hundred nights at fifty cents per night.

The street lights now in use as follows :

125 Gaslights furnished by the Bangor Gaslight Co., costing.....	\$3,750 00
77 Gaslights furnished by the Globe Gaslight Co. costing.....	1,732 00
1 Gaslight furnished by Globe Gaslight Co.....	30 00

### AT SIX MILE FALLS BRIDGE.

23 Electric (arc) lights furnished by the Bangor Electric Light Power Co.....	3,450 00
	\$8,962 00

The seventy-seven "Globe" lanterns and posts in use are the property of the City, as also twenty-one which are not in use, and are in the care of W. W. G. Duren.

GEO. A. DAVENPORT,	}	Committee on
CHAS. W. COFFIN.	}	Gas Lights.

# REPORT

## OF THE

# OVERSEERS OF THE POOR.

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Bangor, March, 1887.

To THE CITY COUNCIL :

The Overseers of the Poor of the City of Bangor herewith submit their annual report.

### RECEIPTS MARCH, 1886.

Amount of Appropriation.....		\$12,000 00
Cash on hand, "retained by Overseers"....	746 08	
Received for support of person outside Alms House.....	17 00	
For support of person at Alms House.....	202 00	
From other towns.....	588 24	
From sale of cream.....	741 25	
For support of Insane.....	319 39	
For support of State Paupers.....	171 75	
Received of School Department for wood.....	993 13	
For stumpage at Orneville.....	250 00	
From sale of Farm products.....	1,680 83	
For labor and rent of Vanmeter house.....	52 10	
	<hr/> 5,761 77	
Less amount retained by the Overseers.....	150 10	
	<hr/> 5,611 67	
Total.....		<hr/> 17,611 67

### EXPENDITURES.

Alms House, provisions.....	1,946 42
grain.....	488 51
clothing.....	647 30
labor.....	1,615 45
improvements and repairs.....	687 58
stock and tools.....	490 55

blacksmithing.....	79 65	
furniture.....	101 21	
hardware .....	193 48	
seeds and dressing....	248 95	
lumber.....	386 20	
incidental.....	31 50	
medical attendance.....	18 35	
water service.....	115 00	
Outside and Alms House, burial.....	206 00	
fuel.....	1,789 90	
medicine.....	152 74	
Outside, provisions.....	2,032 43	
clothing.....	28 44	
removal of paupers.....	231 65	
removal of insane.....	71 25	
medical attendance on insane.....	27 00	
incidental at office.....	43 00	
postage.....	6 30	
Orneville wood lot.....	328 76	
Industrial School.....	84 00	
Reform School.....	172 57	
Insane Hospital...	1,693 84	
other towns.....	119 38	
Overseers and Superintendent salaries.....	1,500 00	
	————	15,537 41
Balance unexpended.....		2,074 26

Gentlemen :—During the past year we have found it necessary to do considerable repairing. The timbers under the kitchen floor have always laid on the ground and the steam pipes running under the kitchen being laid under ground kept the earth damp and caused the timbers to decay very fast, also put us to considerable inconvenience when necessary to repair the pipes. To avoid this trouble we have taken up the kitchen floor and removed some three feet of earth thereby making a chance to lay the pipes above ground. We have also taken up all the pipes that lay under ground and carried them around under the kitchen floor so that now they are all above ground and can be got at without

much inconvenience. We have put in a new frame, laid a new hard wood floor and newly finished the kitchen. We found also that the timbers holding up the east end of the stable were so badly decayed that the building was settling badly. We have thoroughly repaired the same and rebuilt the tieup for the cattle, putting in the new patent Stanchions and have as good a tieup as there is in the city. The old wood shed has been taken down and part of it moved back on a line with the new one. The farm is in good condition in every respect. Sixteen acres of the new purchase has been cleared up and plowed, leaving about four acres to be cleared up this season. We have new cedar fencing on the ground to enclose the new lot. Our crops have been large and pays no inconsiderable part of the expenses of the Alms House, which you will see upon examination of the reports. The number of inmates at the Alms House has been less the past year than any preceding year for the last ten years and the help required outside of the Alms House has also been less. We have partially supported 105 families the past year outside the Alms House with provisions, and 390 cords wood, which is about 90 cords more than was required last year, caused by extremely cold weather. The poor of our city are in a very healthy condition and it affords us much satisfaction to be able to report an unexpended balance of \$2,074.26 out of an appropriation of \$12,000 for the pauper department, when taking in consideration that the expense of the Insane Asylum, Industrial School and Reform School inmates are charged to our department. We think that there should be a separate appropriation for the last three named. For a more detailed account of the Alms House and farm we refer you to the Superintendent's report which includes an inventory of every thing pertaining to the house and farm. In conclusion we wish to extend our thanks to

Mr. and Mrs. Hathorn for their kind assistance and to the Mayor, City Solicitor, City Physician and joint standing committee on pauper department for their hearty co-operation.

Respectfully submitted,

DAVID W. POTTER,	}	Overseers of the Poor.
HENRY O. PEIRCE,		
JOSEPH W. THOMPSON,		



Disbursements of Pauper Department for Year 1886 and 1887.

	Supplies.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Jan'y.	Feb'y.	Totals.
Alms House and Farm.	Provisions,	\$129.00	\$104.21	\$149.51	\$206.78	\$166.60	\$253.93	\$147.08	\$162.42	\$138.47	\$117.28	\$172.93	\$198.21	\$1,946.42
	Grain,	31 61	38 72	47 68	31 91	32 01	42 84	29 92	62 97	59 72	41 33	30 65	39 15	488 51
	Clothing,	46 62	14 65	13 20	53 07	83 73	33 65	61 29	5 80	76 11	147 63		111 55	647 30
	Medicine,													
	Labor,	37 75	291 00	53 00	51 50	300 75	36 00	79 00	337 95	45 50	36 00	311 00	36 00	1,615 45
	Repairs & Imp'm.	8 05	4 00	167 88	174 81	75	87 35	67 00	113 81	51 60		5 00	7 33	687 58
	Stock and Tools,	272 00		40 00		90 00	9 00			10 00	35 00		34 55	490 55
	Blacksmithing,	50	11 92		14 60		13 65	88	78 25		14 65	1 00	4 20	79 65
	Furniture,		5 62	19 37	15 64	8 85					20 33		31 40	101 21
	Hardware,		46 11	28 35	44 77	13 45		17 74	10 57	23 53	7 91		1 05	193 48
	Seeds,		60	52 03	1 45	29 87								83 95
	Dressing,				55 00				10 00		100 00			165 00
	Lumber,		18 13		138 95		25 09	71 02	86 79	30 25	15 97			386 20
	Incidental,	7 15	7 58		74	80	7 15	2 10	4 00	50	48	1 00		31 50
	Med. Attendance,		5 60				3 00		6 00			3 75		18 35
	Water Service,													115 00
	Burial,	23 50		13 00	10 50		58 50	13 00	29 50	15 50	19 00	13 00	10 50	206 00
	Fuel,	420 78	288 24				44 00			314 85	48 41	358 98	314 65	1,789 90
	Medicine,	23 40		24 79	3 52		23 84	16 30		13 85	18 63	16 16	12 25	152 74
Outside.	Provisions,	285 50	267 69	103 99	105 73	123 40	128 24	100 48	92 51	144 07	255 86	197 27	227 69	2,032 35
	Clothing,	65	10 50		1 09	2 00		1 50	5 60			2 75	4 35	28 44
	Removal of Paup.	47 00	20 00		8 00			28 50	34 15	9 25	58 00	23 25	3 50	231 65
	“ of Insane,		11 75	13 00	12 00	11 00		23 50						71 25
	Med. Attend. do.					9 00	6 00		6 00					27 00
	Incidental Office,	9 00		2 50	1 00	1 20			1 00	9 50	1 00	7 45	10 35	43 00
	Postage,				1 50	50				1 30	2 00	1 00		6 30
	Ornville Wood Lot					14 96			46 04			103 48	164 28	328 70
	Ind's School,	45 00						39 00						84 00
	Reform School,				44 43		39 00		26 00			63 14		172 57
	Insane Hospital,	346 66			387 43			455 30			504 45			1,693 84
	Other Towns,					4 00				65 27			50 11	119 37
	Salaries,		150 00		225 00	150 00		225 00	150 00		225 00	150 00	225 00	1,500 00
		1734 17	1296 32	728 30	1589 42	1042 87	811 24	1384 61	1209 36	1009 27	1668 92	1576 81	1486 12	15,537 4

## STOCK AND FARMING TOOLS.

4 draft horses \$175.00, \$700.00; 1 driving horse 175.00.....	\$875 00
16 cows 50.00, 800.00; 1 bull 35.00.....	835 00
2 one year old heifers 15.00, 30.00; 60 hens .50, 30.00.....	60 00
9 shoats 8.00, 72.00; 9 hogs 15.00, 135.00.....	207 00
2 sets double harnesses 25.00, 50.00; 1 single harness 32.00..	82 00
2 old single harnesses 8.00, 16.00; 5 halters .75, 3.75.....	19 75
5 horse blankets 2.50, 12.50; 5 horse blankets 1.00, 5.00.....	17 50
3 sursingles 1.00, 3.00; 2 sets horse coverings 4.00, 8.00.....	11 00
1 covered carriage 50.00; 1 light express wagon 25.00.....	75 00
1 express wagon 60.00; 2 two horse jiggers 100.00, 200.00...	260 00
1 one horse jigger 50.00; 1 two horse cart 75.00.....	125 00
1 ox cart 20.00; 2 two horse sleds 35.00, 70.00.....	90 00
1 two horse sled 10.00; 1 ox sled 10.00.....	20 00
1 pung 10.00; 1 sleigh 10.00; 1 hose carriage 40.00.....	60 00
2 sleigh robes 5.00, 10.00; 2 sets whiffletrees and chains 2.00, 4.00.....	14 00
3 spread chains 1.50, 4.50; 2 pole chains 1.00, 2.00.....	6 50
7 ox and stone chains 1.50, 10.50; 4 binding chains 1.00, 4.00	14 50
1 sulkey plow 35.00; 3 plows 8.00, 24.00.....	59 00
1 spring tooth harrow 20.00; 3 harrows 3.00, 9.00.....	29 00
2 cultivators 4.00, 8.00; 1 horse hoe 5.00; 1 seed sower 1.50	14 50
1 stone drag 4.00; 2 dirt scrapers 4.00, 8.00.....	12 00
13 shovels .40, 5.20; 4 pick axes 1.00, 4.00.....	9 20
3 matdocks .75 2.25; 3 iron bars 1.00, 3.00.....	5 25
10 hoes .25 2.50; 2 garden rakes .50 1.00; 10 axes .50, 5.00 ...	8 50
5 wood saws .50, 2.50; 2 crosscut saws 2.50, 5.00.....	7 50
2 pipe wrenches 2.00, 4.00; 4 wheelbarrows 2.00, 8.00.....	12 00
2 pipe wrenches 2.00, 4.00; 4 wheelbarrows 2.00, 8.....	12 00
1 grindstone 5.00; 3 ox yokes and bows 2.00, 6.00.....	11 00
1 extension ladder 50.00; 3 ladders 3.00, 9.00.....	59 00
2 tackle and falls 4.00, 8.00; 2 wagon jacks 2.00, 4.00....	12 00
1 lot carpenter tools 15.00; 1 lot blacksmith tools 50.00.....	65 00
1 mowing machine 20.00; 1 horse rake 20.00.....	40 00
1 horse rake 5.00; 1 hay tedder 35.00; 2 hay racks 5.00, 10.00	50 00
1 horse fork and rigging 15.00; 20 hay and manure forks, 25, 5.00.....	20 00
10 hand rakes .20, 2.00; 3 hand scythes and snaths 1.25, 3.75	5 75
110 hay caps .30, 33.00; 1 lawn mower 7.00; 2 grass hooks .50, 1.00.....	41 00
1 hay knife 1.50; 1 hay cutter 5.00.....	6 50
50 feet 3/4-inch hose .20, 10.00; 150 feet 1-inch hose .20 30.00	40 00
60 cords manure 4.00, 240.00; 65 tons hay 10.00, 650.00.....	890 00
8 tons straw 6.00, 48.00; 70 bushels oats .35, 24.50.....	72 50

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 \$4,241 95

# 220      REPORT OF THE OVERSEERS OF THE POOR.      [1887.

## ALMS HOUSE FURNITURE AND SUPPLIES ON HAND MARCH 1, 1887.

22 barrels flour \$5.00, \$110.00; 1 barrel pork \$17.00.....	\$127 00
200 pounds beef .06, 12.00; 300 pounds cod fish 3.00, 9.00....	21 00
130 gallons molasses, .31, 40.30; 100 pounds sugar .06½ 6.50,	46 80
50 pounds tea .31 15.50; 50 pounds coffee .19½, 9.75.....	25 25
75 pounds saleratus .04, 3.00; 75 pounds butter .25, 18.75....	21 75
35 gallons vinegar .16, 5.60; 50 pounds tobacco .30, 15.00....	20 60
30 gallons kerosene oil .09, 2.70; 10 boxes hard soap 3.50,	
35.00.....	37 70
200 bushels potatoes .50, 100.00; 30 bushels beans 1.50, 45.00,	145 00
10 bushels peas 1.25, 12.50; 12 bushels turnips .35, 4.20.....	16 70
40 bushels beets .50, 20.00; 4 barrels apples 1.00, 4.00.....	24 00
3 ton coal 5.50; 16.50; 250 cords bundled edgings 2.00, 500.00	516 50
300 cords block wood 2.00, 600; 3 cords hard wood 5.00, 15.00	615 00
15 flour barrels .15, 2.25; 2 oil barrels 1.50, 3.00.....	5 25
3 pork barrels .50, 1.50; 2 vinegar barrels 1.00, 2.00.....	3 50
4 stoves 3.00, 12.00; 74 iron bedsteads 5.00, 370 00.....	382 00
8 wooden bedsteads 2.00, 16.00; 9 Bureaus 2.50, 22.50.....	38 50
4 wash stands 1.00, 4.00; 35 tables and stands 1.00, 35.00....	39 00
1 wheel chair 5.00; 50 chairs .25, 12.50.....	17 50
8 rocking chairs .50 4.00; 8 new rocking chairs 2.00, 16.00..	20 00
12 mirrors .50, 6.00; 1 candle 2.00.....	8 00
25 chambers .20 5.00; 47 pails .20, 9.40; 3 bedpans 1.50, 4.50	18 90
1 cooking range 50.00; 1 ironing stove 5.00.....	55 00
Tin ware in alms house 40.00; tea tank 2.50.....	42 50
1 coffee tank 3.00; 1 meat chopper 5.00; 1 platform scale 10.00	18 00
8 wash tubs .50, 4.00; 2 wringers 2.50, 5.00.....	9 00
4 wash boards .25, 1.00; 4 clothes baskets .50, 2.00.....	3 00
20 dozen clothes pins .03 .60; 10 flat irons .50, 5.00.....	5 60
2 coal hods .75, 1.50; 15 wooden pails .20, 3.00.....	4 50
10 mops .25, 2.50; 12 brooms .25 3.00.....	5 50
6 bushel baskets .50 3.00; 3 peck baskets .25, 75.....	3 75
5 dozen knives and forks 2.00, 10.00; 10 bean pots .50, 5.00..	15 00
1 creamer 35.00; 1 churn 8.00; 1 butter worker 5.00.....	48 00
4 dozen milk pans 4.00, 16.00; 18 milk pails .25, 4.50.....	20 50
10 milk cans .50, 5.00; 8 stone jars .75, 6.00.....	11 00
1 bread trough 5.00; 1 large tin steamer 4.00....	9 00
14 lamps .75, 10.50; 1 ice box 4.90.....	14 50
1 large refrigerator 40.00; 1 large soap stone boiler 30.00....	70 00
5 steam wash tubs 6.00, 30.00; 2 bath tubs 10.00, 20.00.....	50 00
Steam fittings for cooking 50.00.....	50 00
81 straw beds .85, 68.85; 11 feather beds 5.00, 55 00.....	123 85
161 feather pillows .75, 120.75; 108 blankets 1.00 108.00.....	228 75

80 comfortables 2.00, 160.00; 43 spreads .75 32.25.....	192 25
235 sheets .50, 117.50; 185 pillow slips .15 27.75.....	145 25
104 roller towels .25, 26.00; 43 hand towels .10 4.30.....	30 30
75 dish towels .08, 6.00; 50 cotton shirts .55 27.50.....	33 50
51 under shirts .75, 38.25; 33 pairs drawers .50, 16.50.....	54 75
23 coats 3.50, 80.50; 2 oil cloth coats 2.00, 4.00.....	84 50
36 pairs pants 2.00, 72.00; 19 vests 1.00, 19.00.....	91 00
18 drilling frocks .50, 9.00; 12 wool frocks 2.00, 24.60.....	33 00
14 pairs overalls .50 7.00; 6 wool hats .50. 3.00.....	10 00
46 pairs wool socks .35, 16.10; 18 pair mens cotton hose .10, 1.80.....	17 90
2 pair men's boots, 2.25, 4.50; 3 pair women's boots 1.25, 3.75	8 25
35 women's night dresses .50, 17.50; 20 women's chemises .35, 7.00.....	24 50
26 pairs women's drawers .35, 9.10; 5 wool skirts .75, 3.75..	12 85
11 cotton skirts .35, 3.85; 17 under waists .20, 3.40.....	7 25
25 women's dresses 1.00, 25.00; 28 aprons .15, 4.20.....	29 20
11 pairs women's hose .10, 1.10; 8 infants suits 1.00, 8.00....	9 10
8 pairs boys pants 1.00, 8.00; 9 straw hats .10, .90.....	8 90
Clothing on 59 inmates 4.50, 265.50.....	265 50
159 yards sheeting .06, 9.54; 20 yards drilling .14, 2.80.....	12 34
119 yards tacking .10, 11.90; 111 yards chevoit .09½, 10.54...	22 44
57 yards flannel .18, 10.26; 170 yards print .04, 6.80.....	17 06
10 yards gingham .09, .90; 5 pounds woolen yarn .75, 3.75...	4 65
4 dozen handkerchiefs .35, 1.40; 1 pound linen thread 1.15...	2 55
5 dozen spools thread .55, 2.75; 3 dozen spools thread .20, .60	3 35
2 dozen papers needles .50, 1.00; 1 dozen papers pins .25....	1 52
1 piece elastic web .65; 24 dozen dress buttons .04, .96.....	1 61
28 dozen white buttons .03, 84; 6 dozen shirt buttons .10, .60	1 40
1½ dozen combs .20, .30; ½ gross thimbles .62.....	90

## FURNITURE IN SUPERINTENDENT'S PART.

3 chamber sets \$15.00, \$45.00; 1 chamber set \$25.00.....	70 00
1 extension table 8.00; 4 tables 2.50, 10.00; 1 sofa 15.00.....	33 00
1 lounge 10.00; 1 dozen chairs 2.00, 24.00; 1 dozen chairs 1.00 12.00.....	46 00
2 rocking chairs 2.00, 4.00; 1 mirror 7.00; 1 mirror 2.00.....	13 00
5 wool carpets 75.00; 1 oil cloth carpet 15.00.....	90 00
4 straw beds 1.00, 4.00; 4 feather beds 6.00, 24.00; 14 feather pillows 1.00, 14.00.....	42 00
12 comfortables 2.00, 24.00; 10 blankets 1.00, 10.00; 6 spreads 1.00, 6.00.....	40 00
50 sheet .50, 25.00; 50 pillow slips .25, 12.50; 2 table covers	

222      REPORT OF THE OVERSEERS OF THE POOR.      [1887.

1.50, 3.00.....	40 50
6 table cloths 2.00, 12.00; 3 dozen napkins 2.00, 6.00.....	18 00
24 roller towels .35, 8.40; 47 toilet towels .15, 7.05.....	15 45
1 sewing machine 5.00; 1 sewing machine 15.00.....	20 00
1 cooking range 15.00; 1 office stove 4.00; 2 stoves 2.00, 4.00;	
1 ice cream freezer 4.00.....	27 00
Glass and crockery ware 50.00; 3 wash bowls and pitchers	
1.25, 3.75.....	53 75
12 lamps .50, 6.00; 1 drop lamp 2.50; 4 lanterns .75, 3.00....	11 50
Instruments and medicines in dispensary.....	45 00
1 library presented by Hon. Franklin Muzzy....	

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\$4,628 15

**SCHEDULE A.**

A list of names of persons who have received support at the Alms House, from March 1st, 1886, to March 1st, 1887, with their age, nation, number of day residence, health, etc.

NAMES.	AGE.	DAYS.	NATION.	HEALTH.	REMARKS.
Michael O'Leary.	66	365	Irish,	Insane,	Resident.
Daniel Crowley,	49	365	"	"	"
Ellen M. Mason,	50	365	American.	Poor,	"
David B. Ward.	59	365	"	Lame,	"
Thomas Barry,	64	365	Irish,	Insane,	"
Phebe Boston,	56	365	American,	"	"
Emily C. Palmer.	57	365	"	"	"
Catharine Donovan.	54	365	Irish,	"	"
Stephen Welch.	74	365	"	Lame,	"
William McCarty,	51	365	"	Poor,	"
Thomas Cooley,	81	365	"	Lame,	"
Charles Moore.	32	365	Provincial.	Poor,	"
John Linskey.	85	365	Irish.	"	"
Michael Hennessey.	64	365	"	Lame,	"
Susan McGrath,	69	103	"	Feeble,	Died.
Margaret Fortier,	58	365	French.	Lame,	Resident.
Eliza Oakes,	49	365	American,	"	"
Michael Noonan.	75	365	Irish,	Good,	"
Michael Welch.	81	365	"	Poor,	"
Bartholomy Hanley,	71	365	"	Insane,	"
Betsey Colman.	70	365	"	Blind,	"
Denis Murry.	46	365	"	"	"
William Sullivan.	57	365	"	Insane,	"
Orchard C. Reynolds.	74	365	American,	Feeble,	"
Olive J. Stevens,	66	365	"	"	"
John Curren.	66	365	Irish,	Good,	"
Peter Eurk.	84	365	"	Feeble,	"
Michael Kelly.	40	365	"	Insane.	"
David Hillman.	76	311	American,	Feeble,	Died.
James Mitchell.	73	365	Irish,	Lame,	Resident.
Ellen Dinnen.	79	365	"	Feeble,	"
Julia Demeritt.	70	214	American,	Lame,	Discharged.
Joseph Frost.	70	365	"	"	Resident.
Sarah Holmes.	42	365	"	"	"
Margaret Hilliard,	20	244	Irish,	Good,	"
John Hennessey.	25	156	"	"	"
Peter Riley.	87	365	"	Feeble,	"
Annie Moran.	32	230	"	Good,	Discharged.
Thomas Moran,	9	230	"	"	"
Lizzie Moran.	2	230	"	"	"
Frederick Crocker.	36	269	American,	Blind,	Absconded.
Timothy Linnen,	59	252	Irish,	Good,	Resident.
Cyrus Aiken.	77	159	American,	Feeble,	Died.
Annie O'Brine.	21	68	Irish,	Good,	Discharged.
John Nay.		122	"	"	"
Mary Nay,		122	"	"	"

## SCHEDULE A—Continued.

NAMES.	AGE.	DAYS.	NATION.	HEALTH.	REMARKS.
Margaret Flanagan,	19	102	Irish.	Good.	Discharged.
William J. Taylor,	42	64	Provincial,	Lame,	"
Edwin R. Bright,	43	10	American,	Good,	"
Ann Gaven,	43	365	Irish,	"	Resident.
Jennie Stairs,	24	254	Provincial,	"	Discharged.
Ella M. Stairs,	1	254	"	"	"
Annie M. Cowen,	6	17	American,	"	Discharged.
Mary Judge.	19	137	Irish,	"	"
Laurena O'Neil,	80	365	"	Feeble,	Resident.
John Delaney,	22	47	"	Good,	Discharged.
Robert McElwin,	62	5	"	"	"
John D. Leavitt,	43	5	American,	"	"
Rose Gleason,	44	147	"	"	Abandoned.
Michael Egan,	79	365	Irish.	Feeble,	Resident.
John H. Dunn.	35	365	"	Poor,	"
Daniel Sullivan,		174	"	Good,	Abandoned.
Patrick Earley.	68	337	"	Poor,	Resident.
Patrick H. Landers,	39	15	"	Good,	Discharged.
John McGuire.	62	44	"	Poor,	"
Jennie Doane.	39	188	American,	Good,	Resident.
Elizabeth Bate,	60	2	English,	Poor,	Discharged.
Calvin B. Johnson,		317	American,	"	Resident.
Edward Heaffron,	82	194	Irish,	Good,	Discharged.
James Flanagan,	11 m	142	"	"	"
John Donnelley,	68	17	"	Feeble,	Died.
Michael Moran,	8	30	"	Good,	Discharged.
Jennie McNulty,	24	57	"	"	"
Maggie Clair,	21	30	Provincial,	"	"
William Collins,	54	11	"	"	"
Isaac Geayton,	27	31	"	"	"
Ella Fogg,	7	6	American,	"	"
Margaret Evans,	43	232	Irish,	"	Resident.
Charles Evans,	36	90	"	"	Discharged.
Mary Erickson,	21	124	Sweede,	"	"
Thomas Burk,	18	23	Provincial,	Poor,	"
William DeLong,	38	5	"	"	"
Patrick Hoben,	80	212	Irish,	"	Resident.
Peter Dilton,	60	24	"	Good,	Abandoned.
Herbert Lewin,	26	18	English,	"	Discharged.
Annie M. Erickson,	7 m.	70	Sweede,	"	"
Katie A. McNulty,	7 m.	17	Irish,	"	"
Hannah Haley,	60	4	"	Feeble,	Died.
John Corson,	37	6	American,	Good,	Abandoned.
Cora E. McFarland.	21	151	Irish,	Feeble,	Resident.
Bert Kelleher,	30	1	"	Good,	Abandoned.
George S. Blanchard,	50	111	American,	"	Discharged.
Charles Johnson,	17	18	English,	"	"
Michael Hearn,	36	15	Irish,	"	"
Daniel O'Neil,	46	49	"	"	"

## SCHEDULE A—Continued.

NAMES.	AGE.	DAYS.	NATION.	HEALTH.	REMARKS.
Kate Campbell.	12	6	Irish.	Lame.	Discharged.
Samuel Higgins,	23	50	English,	Feeble,	"
Michael Shean.	60	59	Irish,	Good,	Absconded.
John Gonyer,	67	148	French,	Feeble,	Resident.
David Adams,	70	135	Scotch,	Good,	"
Mary Mahany,	65	30	Irish,	"	Discharged.
Mary E. Martin,	25	30	"	"	"
Cornelius McCarty,	67	114	"	"	Resident.
Martin McMullen,	50	4	English,	"	Discharged.
Mary J. Cotter,	28	111	Irish,	"	Resident.
Bridget E. Cotter,	11	111	"	"	"
John W. Cotter,	6	111	"	"	"
Mary A. Cotter,	4	111	"	"	"
Michael Cotter.	2	111	"	"	"
Frank Leavett.		1	American.	Feeble,	Discharged.
Martin Linskey,	40	60	Irish.	Poor,	"
Charlotta Hanson,	18	1	Provincial,	Good,	"
Mary A. Sweet,	79	91	American,	Poor,	Resident.
Thomas Briscoe,	30	15	Irish,	Good,	Discharged.
Elizabeth Briscoe,	27	15	"	"	"
Mary A. O'Mara,	56	84	"	Lame,	Resident.
Mary Kidney.	77	78	English,	Feeble,	"
James Dugan,	14	13	Irish,	"	Died.
Alexander Williams,	21	2	Colored,	Poor,	Discharged.
Walter Hartwell,	37	3	American,	"	"
Francis Vantassell,		365	Irish,	Insane,	Resident.
William L. Johnson,	77	365	American,	Good,	"
Angelina L. Billington	61	66	"	Poor,	Discharged.
Lucy A. Cowan.	41	17	"	Good,	"
James Brannan.	46	8	Irish,	"	Resident.
Mary Draper.	17	1	French,	Poor.	Discharged.
Thomas Griffen.	50	5	Irish,	Good,	Resident.

## RECAPITULATION.

Whole number of persons who have received support at the Alms House, from March 1, 1886 to March 1st, 1887.

Discharged.....	54	American .....	28
Resident.....	60	Irish.....	76
Died.....	6	French.....	3
Absconded .....	7	Provincial.....	10
		Scotch.....	1
		English.....	6
		Swede.....	2
		Colored .....	1

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The whole number of days support in the Alms House, is twenty-one thousand nine hundred and seventy-eight, (21,978) or 60 78-365 per day during the year.

## CROPS RAISED ON FARM.

140 tons hay,	977 bushels potatoes,
13 tons straw,	450    "    turnips,
5 tons corn fodder,	100    "    beets.
220 bushels wheat,	15    "    carrots,
240    "    oats,	120    "    apples,
25    "    beans,	800 heads cabbage,
12    "    peas,	

Respectfully Submitted,

R. E. HATHORN,

Supt. of Alms House.

# CITY GOVERNMENT.

1887-88.

## CITY COUNCIL.

MAYOR, CHARLES F. BRAGG.

### ALDERMEN.

ROBERT HICKSON,  
ALBERT W. THAYER,  
JAMES W. MCCLURE,  
GEORGE T. ALLAMBY,

CHARLES W. COFFIN,  
HUGH R. CHAPLIN,  
WILLIAM CONNERS.

VICTOR BRETT, City Clerk.

### COMMON COUNCIL.

CHAS. S. PEARL, President.

OTTO F. YOUNGS, Clerk.

#### Ward 1.

William F. McCarthy,  
Joseph W. Taney,  
James H. Gillespie,

#### Ward 2.

John N. Shaw,  
Walter S. Allen,  
James J. McGrath,

#### Ward 3.

Jefferson Crocker,  
Charles S. Pearl,  
James M. Swett,

#### Ward 4.

John B. P. Wheelden,  
Wilbur F. Brann,  
Timothy G. Rich.

#### Ward 5.

Edward Stetson,  
Albion K. P. Leighton,  
Kimball W. Wood.

#### Ward 6.

George W. Vickery,  
Daniel W. Maxfield,  
Walter L. Morse,

#### Ward 7.

William S. Carr,  
Edwin N. Egery,  
Rufus P. Peakes.

# WARD OFFICERS,

1887-'88.

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## WARDENS.

Ward 1, Daniel J. Conners.

Ward 2, Michael J. Cullinan.

Ward 3, Augustus L. Bourne,

Ward 4, Albert G. Noyes.

Ward 5, Wilfred E. Mansur.

Ward 6, Charles F. Thoms.

Ward 7, John F. O'Leary.

## WARD CLERKS.

Ward 1, Charles G. Shea,

Ward 2, James E. McCann.

Ward 3, John F. Foster.

Ward 4, Thomas T. Tabor.

Ward 5, Herbert A. Arnold.

Ward 6, Calvin C. Jones.

Ward 7, Charles E. Williams.

# CITY OFFICERS.

1887-'88.

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## OFFICERS ELECTED BY THE CITY COUNCIL.

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City Clerk—Victor Brett.

Treasurer and Collector—John L. Crosby.

Street Commissioner—Frank C. Brackett.

Chief Engineer of Fire Department—Albert H. Parker.

City Physician—Chas. D. Edmunds.

City Solicitor—Henry L. Mitchell.

City Engineer—Philip H. Coombs.

Superintendent of Sewers—Philip H. Coombs.

City Marshal—George W. Whitney.

Harbor Master—John J. Flynn.

School Agent—S. P. Bradbury.

Truant Officer—S. P. Bradbury.

Pound Keeper—George F. Hathaway.

Assessors—Charles Ames, for three years ; Silas C. Hatch  
for two years ; Thomas S. Moor, for one year.

Cemetery Board—Joseph S. Wheelwright, Albert W.  
Paine, Isaac M. Bragg.

Constables—John C. Bowen, Thomas A. Davis, James  
Mayhew, Thomas F. Allen, Geo. W. Whitney, Ben-  
jamin E. Sargent, Geo. W. Harriman, J. T. Mayville,  
and Isaac W. McDonald.

Overseers of Poor—David W. Potter, for three years,

Henry O. Peirce, for two years, and Joseph W. Thompson, for one year.

School Committee—Thomas W. Burr for three years ; J. W. Donigan and Daniel A. Robinson for two years ; Geo. B. Ilsley and James Mooney, for one year.

Street Engineers—Geo. T. Allamby, John B. P. Wheel- den, and Philip H. Coombs.

Surveyors of Lumber—Geo. W. Vickery, W. L. Morse, James D. Shaw, Joseph E. Kent, J. H. Crosby, Pat- rick Cox, H. G. Thompson, Wm. E. Lord, E. S. Thompson, Daniel L. Hoyt, Frank C. York, Chas. E. Perry, O. W. Straw, J. E. Stockwell, James Gibbons, J. A. C. Mason, Geo. E. Dole, Michael Daley.

Fence Viewers—Alvah Osgood, S. F. Fuller, M. L. Mills, L. I. Kittridge.

Field Drivers—Elijah Page, George W. Stevens, George Waterhouse, Asa Woodruff, Philip Richardson, Perry Barnes, H. R. Legro, D. W. Dickey, Obadiah Ack- erly, Geo. Burleigh.

## BANGOR WATER BOARD.

Chas. F. Bragg, Mayor, *ex-officio*.

Thomas White, - - - Term expires, March, 1890.

Hiram H. Fogg, - - - Term expires, March, 1890.

Thomas W. Vose, - - - Term expires, March, 1889.

James Adams, - - - Term expires, March, 1889.

John L. Cutler, - - - Term expires, March, 1888.

Chas. I. Collamore, - - - Term expires, March, 1888.

Geo. W. Snow, Clerk and Collector.

Frank E. Sparks, Inspector.

William W. Fellows, Engineer.

## DIRECTORS OF B. &amp; P. R. R.,

(elected at regular meeting in March,) Albert G. Wakefield, John Cassidy, Charles L. Marston, and Llewellyn J. Morse.

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## DIRECTORS OF E. &amp; N. A. R. R.

(elected at regular meeting in November,) Isaac Strickland, Chas. P. Stetson, Chas. F. Bragg.

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## TRUSTEES OF THE HERSEY FUND.

(elected at regular meeting in February.)

Chas. F. Bragg, Mayor, *ex officio*.

John L. Crosby, Treasurer, *ex-officio*.

Frederick M. Laughton, - Term expires, Feb., 1893.

Hannibal Hamlin, - - Term expires, Feb., 1891.

Franklin A. Wilson, Term expires, Feb., 1889.

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OFFICERS APPOINTED BY THE MAYOR  
AND ALDERMEN.

Policemen—Patrick J. Dougherty, Thos. F. Allen, Calvin Knaide, Lindley W. Gilman, Geo. W. Dolly, James Nickerson, John C. Bowen, Timothy J. Leary, Thomas A. Davis, James Fahey, Frank A. Loftus, Erastus A. Bickford, and Joseph H. Saunders.

Special Policemen without pay—R. E. Hathorn, for services in duties in connection with the Pauper Department; Chas. M. Stewart, for services only on river, vessels, and wharves; N. B. Williams, for services at Opera House only; John Goldthwait, for services

only in Health Department; S. P. Bradbury, for services as School Agent and Truant Officer; James P. Lansil, for services at Fair Grounds only; Geo. W. Hunt and H. A. Jefferds, for services in Sunday Temperance meetings only; Frank Sonie, for services only at Morse's Mills; John Dunroe, for services only at Dole and Fogg's Mills; Joseph Greenier, for services only at St. John's Catholic Church; Daniel Carter, for services only at West Bangor Chapel and Church.

Measurers of Wood and Bark—James D. Shaw, J. H. Robinson, Joseph Page, D. A. Garland, H. P. Oliver, John A. Bacon, H. B. Stewart, Isaac M. Currier, J. A. C. Mason, H. T. Clark, Wm. E. Lord, Harris Bailey, Isaac Grover, Henry F. York, Frank Ingalls, O. W. Straw, A. O. Stewart, O. H. Ingalls, Benj. Parker, Walter L. Morse, George W. Vickery, Gilman Cram, Alexander Webb and Michael Daley.

Public Weighers and Gaugers—Joseph E. Kent, John F. Woodman. C. E. Field, A. H. Babcock, Gilman Cram, Harris Bailey, Patrick Gillespie, Timothy Murphy, James McManus, Chas. L. Snow, Edward F. Fisher, Jere. F. Angle, F. W. Durgin, O. H. Ingalls, James Gibbons, A. P. Clark, T. G. Stickney, Albert Towle, J. H. Robinson, Robert Hickson, A. J. Robinson, Clarence A. Cummings, Percy J. Mooney, Michael Murphy, F. A. Cummings, Abram Powers, Peter McLeod, Michael Kelley, John Saunders, John A. Bacon, M. Callan, A. P. Tapley, Frank R. Towle, J. D. Robinson, R. D. McKinnon, Otto F. Youngs, Geo. Smith, Geo. Hodge, Geo. F. Cameron, Albert J. Webb, Abram Downes, Robert Edwards, Geo. L. Moor, Bart. Danehy, Robert Harding, Geo. W. Patten, E. K. Barker, and J. J. Ferguson.

Undertakers—For Mount Hope, T. J. Cole ; for Mount Pleasant, Patrick Quine ; for Oak Grove, Finson road, Wm. H. Fogg ; for Maple Grove, Pushaw road, Chas. H. Bean ; for Pine Grove, Carmel road, Edward H. Allen.

Assistant Engineers—(Appointed by Chief and approved by Mayor and Aldermen)—S. A. Fellows, M. Moriarty and Clarence J. Parker.

Engineer of Steamers—(Appointed by Chief and approved by Mayor and Aldermen, )—Joseph E. Merritt.

Assistant Assessors—(Appointed by Assessors and approved by Mayor and Aldermen)—Ward 1, Patrick Tracy, Jr. ; Ward 2, John C. Honey ; Ward 3, John F. Foster ; Ward 4, John C. Chase ; Ward 5, Alfred O. Stewart ; Ward 6, Chas. F. Thoms ; Ward 7, Otto F. Youngs.

Bell-Ringer—(Appointed by the Mayor, ) J. F. Hatch.

Superintendent of Clocks—(Appointed by the Mayor, ) E. G. Ingalls.

City Agent—Geo. W. Sullivan.

Sealer of Weights and Measures—Michael Lynch.

City Auditor—(Appointed by Mayor, ) William P. Hubbard.

Superintendent of Alms House—(Appointed by Overseers of Poor, ) R. E. Hathorn.

Sewer Board—Philip H. Coombs, Chairman, *ex-officio* ; Edward Conners, for three years ; Moses G. Rice, for two years ; Chas. L. Marston, for one year.

Board of Health—John Goldthwait, for three years ; Alfred R. Taney, M. D., for two years ; Daniel A. Robinson, M. D., for one year.



## JOINT STANDING COMMITTEES.

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ON FINANCE.

Alderman Coffin, Councilmen Brann and W. F. McCarthy.

## ON ACCOUNTS AND CLAIMS.

Alderman McClure, Councilmen Egery and Allen.

## ON STREETS AND HIGHWAYS.

Alderman Allamby, Councilmen Wheelden and Carr.

## ON BRIDGES ACROSS KENDUSKEAG STREAM.

The Mayor, Alderman Connors, Councilmen Wood and Rich.

## ON SCHOOLS.

Alderman Chaplin, Councilmen Maxfield and Taney.

## ON FIRE DEPARTMENT.

Alderman Connors, Councilmen Swett and Stetson.

## ON PAUPER DEPARTMENT.

Alderman Hickson, Councilmen Crocker and Leighton.

## ON WATER.

Alderman McClure, Councilmen Vickery and Gillespie.

## ON STREET LIGHTS.

Alderman Thayer, Councilmen Peakes and Swett.

## ON CITY PROPERTY AND INCIDENTAL EXPENSES.

Alderman Coffin, Councilmen Morse and Shaw.

## ON BY-LAWS AND POLICE REGULATIONS.

Alderman Chaplin, Councilmen Stetson and McGrath.

## STANDING COMMITTEES IN BOARD OF ALDERMEN.

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### ON ENGROSSED ORDINANCES AND RESOLUTIONS.

Aldermen McClure and Thayer.

### ON CITY AGENCY.

Aldermen Allamby and Thayer.

### ON ELECTIONS AND RETURNS.

Aldermen Chaplin and Hickson.

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## STANDING COMMITTEES IN BOARD OF COMMON COUNCIL.

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### ON ELECTIONS.

Messrs. Leighton, Vickery and McCarthy.

### ON CONTINGENT EXPENSES.

Messrs. Rich, Wood and Shaw.

### ON ENGROSSED ORDINANCES AND RESOLUTIONS.

Messrs. Stetson and McGrath.

## SALARIES OF SUBORDINATE OFFICERS.

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	1887.
Mayor.....	\$800 00
City Clerk.....	700 00
Clerk of Common Council.....	125 00
City Marshal, including horse hire for department.....	900 00
Policemen, each.....	600 00
Street Commissioner, including use of team to be boarded at city stable without expense.....	800 00
City Solicitor.....	300 00
Chief Engineer of Fire Department.....	400 00
Assistant Engineers, each.....	75 00
Harbor Master.....	400 00
Truant Officer.....	100 00
Health Officer, including horse hire.....	400 00
City Treasurer.....	500 00
Collector of Taxes, on amount of money actually collected for taxes and paid into the Treasury..... $\frac{3}{4}$ of 1 per cent.	
Overseers of the Poor, including horse hire, each.....	300 00
Superintendent of Alms House.....	700 00
School Agent, including horse hire.....	900 00
Street Engineers, including horse hire, Chairman.....	100 00
Assistant.....	50 00
School Committee, each.....	50 00
horse hire for use of the board.....	60 00
Engineer of Steamers, also to keep in repair the Fire Alarm..	500 00
City Physician, including horse hire.....	250 00
City Agent.....	600 00
Superintendent of Sewers and City Engineer, including horse hire and providing office.....	1,200 00
City Engineer's Assistant per day.....	2 00
Assessors the one who makes up books.....	750 00

1887.]

## CITY OF BANGOR.

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Assessors, the other two, each.....	600 00
Assessors, horse hire for the board.....	50 00
Assessor's Clerk to help make book, per day.....	3 00
Assistant Assessors, per day each.....	2 00
City Auditor, per day.....	5 00
Clerk of Water Board.....	700 00
Inspector.....	900 00
Engineer of W. W., including Assistant.....	1,480 00

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